economic impact

OF THE U.S. MERCHANT MARINE AND SHIPBUILDING INDUSTRIES

An Input-Output Analysis

Prepared for

The United States Maritime Administration
Office of Policy and Plans
Division of Marine Plans

By Hyung C. Chung
Professor of Economics
University of Bridgeport
Bridgeport, Connecticut

December 1978

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H.C.C.

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Preface

An input-output model is well suited for measuring the economic effects of autonomous changes in the output of an industry. Unfortunately, the Bureau of Economic Analysis, U.S. Department of Commerce input-output table does not show the maritime industries as separate sectors.

In order to quantify the economic impacts of the U.S. Merchant Marine and the U.S. Shipbuilding & Repairing industries, the U. S. Maritime Administration has been interested in the preparation of an input-output table of the U.S.economy in which the U.S. Merchant Marine and the Shipbuilding & Reparing industries are shown separately rather than lumped together with all other transportation sectors. The completion of this report thus represents a step forward for the continuing interest of the U.S. Maritime Administration in monitoring the vital role of the maritime industries in the nation.

The I-O analysis seems to have lived up to its promise of producing a large quantity of numbers. It produced tables for inter-industry transactions, technical coefficients, inverse matrix, multipliers, impact tables, and impact ratios and so on.

It is not, however, the numbers but the correct use of these numbers which ultimately matters.

From the outset, it must be emphasized that this report discusses only those economic impacts of the United States Merchant Marine and the Shipbuilding industries which are identifiable through direct application of the input-output tables. The input-output analysis can be much more versatile than what the tables directly reveal. With additional data and manipulations, these tables can be used to quantify other types of economic impacts such as the tax revenues generated by the industry, and the balance of payments impacts, among others.

The use of any analytical tool requires an understanding of both its theoretical form and its empirical content. Although kept at a minimum, in Chapter 1 theoretical implications and the concepts of the multipliers are discussed first.

In Chapters 2 and 3, the economic impacts of the U.S. ship-operating and the shipbuilding industries are discussed.

The details of the methodology used in constructing the MarAd I-O tables then appear at the end of the report in the form of an appendix.

They are then followed by full sets of I-O tables. Two kinds of MarAd tables were prepared. One was based on the conventions and definitions of the 1967 BEA bench mark I-O tables; the other was based on the INFORUM (Interindustry Forecasting Model of the University of Maryland) definitions. The latter tables were prepared by the University of Maryland in accordance with the MarAd's specifications.

Between these two tables, there are some major differences in the definitions of industrial sectors, treatment of imports and the secondary products, and so forth. These are briefly discussed in the Appendix H. From MarAd's point of view, an important difference is the treatment of transportation margins. While BEA shows the input-markup margins, the INFORUM presents the product-hauled margins. The latter treatment of transportation margines then facilitated the INFORUM to forecast or estimate the 1972 MarAd I-O table.

For the economic impact analysis, only the 1967 BEA-based I-O tables were used. It was found that the sizes of multipliers derived from both BEA- and INFORUM-based tables were more or less the same.

The analysis was not extended to 1972. It is anticipated that the 1972 BEA bench mark table will be published in 1979. Furthermore, the U.S. Maritime Administration had already made an arrangement with the BEA to disaggregate the water transportation sector into subsectors. This means that the analysis can be updated very easily during 1979 as soon as the 1972 official table will be made available to the Maritime Administration. In the meantime, it is hoped that this report will prove to be useful.

H.C.C.

SUMMARY

ECONOMIC IMPACT OF THE UNITED STATES MERCHANT MARINE AND SHIPBUILDING INDUSTRIES

An Input-Output Analysis

INTRODUCTION

This report presents the MarAd input-output table of the U.S. economy. The MarAd I-O table is a 50-sector model which displays the interindustry transactions and the interdependence of the U.S. economy.

The unique aspect of the MarAd I-O table is that the maritime industries, namely, the United States Merchant Marine and Shipbuilding industries, are represented as separate sectors. This facilitates the quantification of various economic impacts generated by U.S. maritime industries.

The MarAd I-O table is based on the 1967 input-output table published by the Bureau of Economic Analysis (BEA) of the U.S. Department of Commerce. The 1967 table represents the most current bench mark table. The next one, the 1972 BEA input-output table is expected to be published in 1979.

Multipliers

An input-output model distinguishes the three types of economic effects of an industry: the direct, indirect, and induced impacts on the output, employment, and income level of the nation. The direct and indirect impacts are the result of interindustry dependence in the production system, while the induced impact measures the effects of personal consumption expenditures on the output of the nation.

Economic theories posit that the total impact is some multiple of the final demand (direct impact), and can be measured by the application of following formula:

Direct & Indirect Impact	=	Type I Multiplier	x	Direct Impact (Final Demand Including Household Sector)
Direct, Indirect & Induced Impact	=	Type II Multiplier	x	Direct Impact (Final Demand Excluding Household Sector)

The input-output model provides us with the multipliers. Type I multipliers are obtained from the "open" I-O model, and the Type II multipliers from the "closed' system. If we know the magnitude of the final demand, we can, using the multipliers, calculate its impact.

If we assume that the multipliers do not significantly change from one period to another, these multipliers may be applied to different final demand vectors in different years. Also, we can estimate the nation-wide economic impacts in that year.

Impact Ratios

The multipliers are highly useful when the size of the final demand is known. However, because the gross output data of an industry are often readily available, it is more convenient to estimate the total economic impact as some multiple of gross output than the final demand.

Direct & Indirect Impact	=	Type I Impact Ratio	x	Gross Output
Direct, Indirect & Induced Impact	=	Type II Imapact Ratio	x	Gross Output

Theoretically, the gross output of an industry represents the total impact received by an industry. An impact ratio is, in fact, the ratio of the impact generated to the impact received by an industry.

The input-output model is used to calculate these impact ratios as well. For an industry which generates more impact than it receives, the impact ratio is greater than 1. Conversely, for an industry which generates less impact than it receives, the ratio is less than 1.

Methodology

The main task of an economy is to deliver goods and services to the final users: the nation's consumers, businesses, government, and foreign countries. How can the economy fulfill this task? It does in a very round-about way.

Industries cannot produce goods and services without purchasing inputs from each other. Thus, each industry's output has to meet the demands generated by the final users as well as by industrial sectors.

An economic structure can be described as a task-oriented system in which the major task is to produce goods and services to satisfy the final demands. In order to fulfill this task, productive factors are hired by all industrial sectors interacting each other (shown in the black box of Figure 1). Ultimately all sectors of the economy produce outputs equal to the sum of final and the intermediate demands.

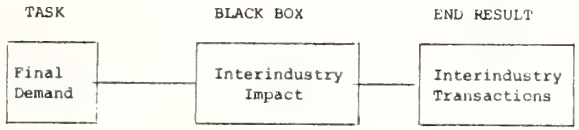


FIGURE 1 A TASK-ORIENTED ECONOMIC SYSTEM

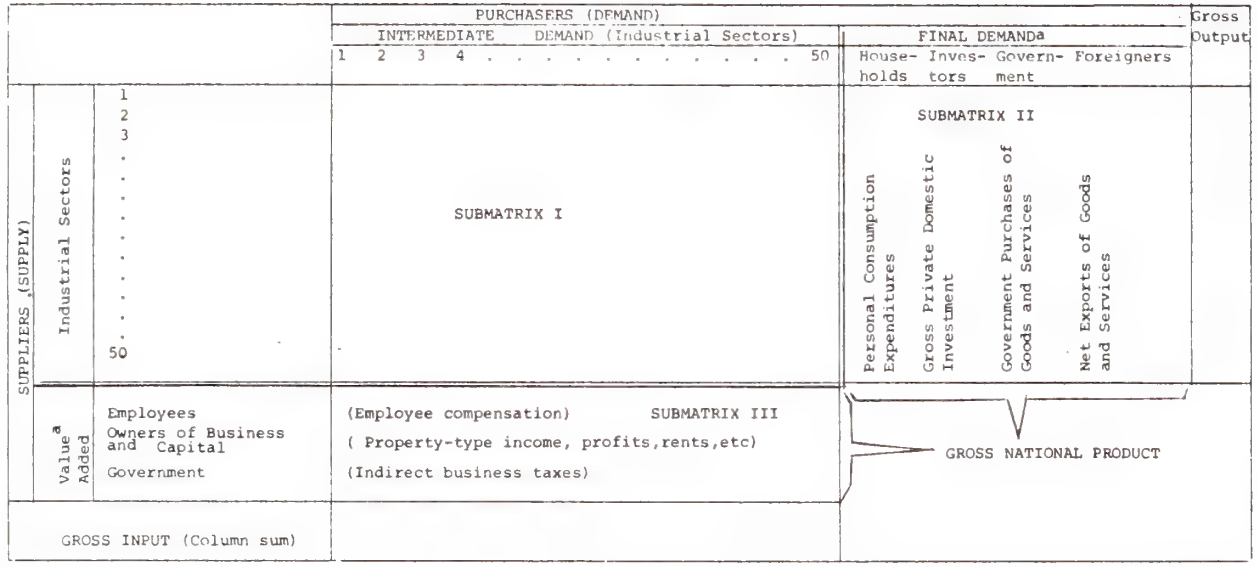
An input-output or transactions table captures the end result of such an economic system. It shows how much inputs are purchased from other industrial sectors and value-added sectors to produce goods and services by each industry and to whom and how much of industrial outputs are sold.

It is a very convenient table to grasp the purchases and sales of all industrial sectors in an economy. It is presented in a cross tabulation or a matrix format as shown in Figure 2.

In the transaction table, all the suppliers are listed on the left of the table heading the rows. They consist of two groups: industrial sectors and the value added sectors such as labor, and capital suppliers. On the top of the table heading the columns, all the purchasers are listed. They consist of two groups: industrial or processing sectors, and the final demand sectors.

Each element of the input-output table can be interpreted in two ways depending on whether we read the table vertically or horizontally. When we read the table vertically or by column, each element indicates the amount of commodities (raw materials, labor, capital) bought by the purchasers (industries and final users) heading the column from the suppliers heading the rows. Of course, the industrial purchasers buy these goods as inputs to their production. Thus the column total shows the total or gross inputs of an industry heading the column. In contrast, the final users acquire goods in order to

Table 2 MarAd Input-Output Transactions Table Format
(50 Sector Model)



[a]Corresponds to the National Income & Product Accounts

consume them. (Consumption in a sense that they are not used as inputs to further production.)

When we read the input-output table horizontally or by rows, the figures show the amount of outputs produced by suppliers sold to purchasers. The row sum, accordingly, must equal the total output of the row industry.

An input-output table is indeed a kind of double-entry bookkeeping for an entire economy,showing the purchases of inputs and the sales of outputs at the same time on one table.

Although the transactions table presents the actual interindustry sales and purchases that took place in a particular year, it does not show why such actual transactions really take place.

For example, assume that the Agricultural Sector does not purchase any inputs directly from the Shipbuilding Sector of an economy. This fact is so noted in the transactions table by entering zero where the two sectors intersect. Does this mean that the Agricultural Sector has really nothing to do with the Shipbuilding Sector? Or more precisely, doesn't the Agricultural industry affect the output of the shipyards? Further assume that the Agricultural Sector purchases transportation services from the Ship Operating firms, which in turn acquire ships from the shipyards. Then we can say that the Agricultural Sector is indirectly related to the Shipbuilding Sector: the more food produced, the more shipping needed, and ultimately the more ships to be built.

Now we raise another question. Does the Agricultural Sector relate in any way to the barber shops? The agricultural industry certainly does not directly, and perhaps even indirectly purchase any hair styling services from the barbers. But the farmers and their families certainly purchase services of barbers; and in turn, barbers and their families spend their income to purchase foods, cars, and other consumption goods. And to the extent that the Agricultural industry generates outputs and incomes to barbers, now we can say that the agricultural industry is related to the barber industry in a roundabout or circuitous way. This relationship is called the income or consumption induced effect or simply induced effect in contrast to the direct and indirect effect. Please note the words "relationship", "effect", and "impact" are used to mean that one industry's production activity affects other sectors' outputs.

We can easily grasp that these direct, indirect, and induced interindustry relationships exist. Indeed our economy is a highly interdependent and interrelated system. But can we measure or quantify the magnitude of these roundabout interindustry dependency?

Two simple and well-known models are used in

this study to measure these interindustry relationships. The first model (called the open-model) assumes that there is no induced relationship and tries to explain the national economic production only in terms of direct and indirect effects. In contrast, the second model (which is called the closed model) explains the actual transaction table as a result of direct, indirect plus induced interindustry effects.

Which is better? It is hard to say. Both have pros and cons depending on the usage of the models. It is important, however, to remember that both models lead to the same end result: namely, the transactions table. For the explanatory power, perhaps the model II is more comprehensive.

Models I and II are illustrated in a flow diagram shown in Figure 3. It is an elaboration of Figure 1.

The Model I starts with the given (or exogenously determined) final demand column vector (or the list of final goods and services arranged in column fashion) to be produced by all industrial sectors. The final demand (D_i) consists of goods and services sought by Households for consumption, Businesses for investment, Government for expenditures, and Foreign Countries via exports.

The main task of the economy is to satisfy these final demands. The Black Box now tells us how this task can be achieved in the manner of interindustry effects or impacts.

In order to produce outputs to satisfy the given final demands, each industrial sector purchases inputs from supplying sectors (including the value-added sectors). The immediate or the direct effects of these purchasing activities are then shown in the Direct Impact Table (DIT) which is derived by multiplying the Direct Requirement Matrix (a_{ij}) to the Final Demand Vector.

$$\begin{bmatrix} a_{ij} \end{bmatrix} \begin{bmatrix} D_i \end{bmatrix} = \begin{bmatrix} DIT \end{bmatrix}$$

a_{ij} = Direct Requirements Matrix (Technical or input coefficients)

D_i = Diagonalized Final Demand consisting of households, investors, government, and foreigners' demands.

DIT = Direct Impact Table Matrix

Here, a_{ij} is a matrix of coefficients which indicates the amount of inputs to be purchased from i sectors heading the row by j sectors heading the column to produce one dollar worth of output of sector j. Accordingly, the multiplication of final demands or the total amount of outputs to be produced to these coefficients yields the total amount of goods and services to be produced by supplying sectors. These are shown in the Direct Impact Table. The Direct Impact Table (DIT), however, cannot be the true transaction table...because it ignores the indirect effect of production. The suppliers of the economy must produce not only the outputs to meet the demands of the final demands placed on them (as shown in DIT), but also the inputs requirements placed on them from other industrial productions.

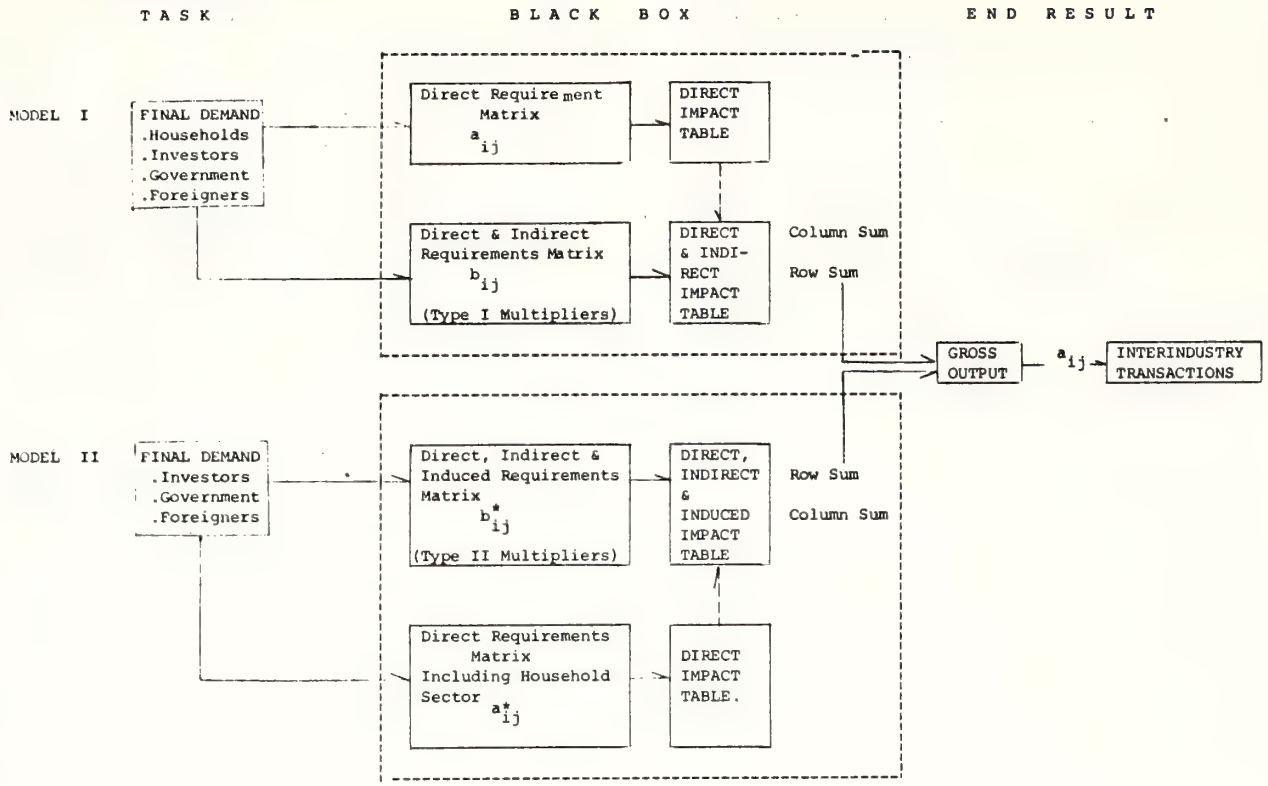


FIGURE 3 TWO MODELS OF INTERINDUSTRY EFFECTS TO DETERMINE INTERINDUSTRY TRANSACTIONS

Let us explain the indirect effect of production in the following manner. Assume that there are only three industrial sectors, A, B, and C. Further assume that A purchases inputs from B, B from C, and C from A in their respective production process. When A increases its production, it must therefore purchase inputs from B. This direct relationship between A and B is called the direct effect. But the interindustry effect does not stop here. B, in order to supply inputs to A, must increase its output and in turn must purchase inputs from C. Similarly, C must purchase inputs from A in order to supply inputs to B. A then must increase its output... and so forth. These second, third, ... rounds of effects are called indirect effects.

Accordingly, we have to somehow calculate the total impact table (direct plus indirect impact table) from the DIT.

Nobel prize winner economist Wassily Leontief found a shortcut for calculating the total impact table through the application of the Leontief Inverse Matrix or Direct & Indirect Requirements Coefficients matrix, b_{ij}. The matrix shows the amount of outputs i sectors have to produce, directly and indirectly affected by one dollar worth production of outputs delivered to the final demands by j sectors.

$$\begin{bmatrix} b_{ij} \end{bmatrix} \begin{bmatrix} D_i \end{bmatrix} = \begin{bmatrix} M_{ij} \end{bmatrix}$$

b_{ij} = Direct and Indirect Requirements Matrix (Leontief Inverse Matrix) of open-model.

M_{ij} = Direct and Indirect Impact Table (DIIT)

We will look at the DIIT (Direct, Indirect Impact Table) more closely. As shown in Figure 4, it is shown in a matrix form. All industrial sectors are listed both on the left and the top of the table heading rows (i) and columns (j) respectively.

Each element in the impact table represents the amount that sector i has to produce because of j sector's productive activities to deliver final demands.

	IMPACT-GENERATING INDUSTRIAL SECTORS (j)	ROW SUM Total Impact Received (Gross Output)
	1 2 3 50	
IMPACT-RECEIVING INDUSTRIAL SECTORS (i) 1 2 3 50		
COLUMN SUM	(Total Impact Generated or Given)	

FIGURE 4 IMPACT TABLE FORMAT

Reading the impact table vertically, each entry shows the impact generated by j sector heading the column and given to the i sector heading the row. The column total thus represents the total impact generated by each column sector.

Reading the impact table horizontally, each entry shows the impact received by i sector from j sector. The row sum thus equals the total impact received. It is also equal to the gross output of sector i. Putting it another way, the gross output of an industry (i) is the total output requirements originating from all the industrial sectors (j) of an economy in their efforts to satisfy the final demands.

Once the gross output of all industrial sectors are determined, the application of a_{ij}, or the direct requirements matrix, produces the actual interindustry sales and purchases or the transactions table.

$$\begin{bmatrix} a_{ij} \end{bmatrix} \begin{bmatrix} X_i \end{bmatrix} = \begin{bmatrix} \text{Input-Output Table} \end{bmatrix}$$

X_i = Diagonalized Gross Output Matrix.

Note that the actual interindustry transaction table is different from the Direct Impact Table. The latter shows the interindustry effects directly arising from the final demands, whereas the former shows the inter-industry effects of the gross outputs.

Model II (Closed With Respect to Household Sector)

A similar procedure can be described for the Model II (See Figure 3). The major difference from the Model I is that the household sector is now excluded from the final demand vector, and it is now treated as one of the industrial sectors. Thus, no longer the Household Sector output is "given" or determined outside the model, but is determined endogenously within the operation of the interindustry model.

As it was noted in Figure 3, both Model I and Model II result in the same gross output and the same interindustry transactions. This should not be a surprising fact. After all, each model tries to explain the same economic phenomenon (interindustry transactions).

Our task has been then to probe into the black box of Figure 3, and to calculate the impact tables...quantifying the direct, indirect, and induced interindustry effects which would explain why each industry produced what they actually produced in 1967, and why the industries purchased goods and services from each other the way they are represented in the 1967 transactions or input-output table. From these impact tables, we will be able to pinpoint the interindustry contributions of the U.S. Merchant Marine and the Shipbuilding & Repairing industries to the national economy.

Before we will do so, it is worth repeating that:

- An industrial impact study tries to measure the impacts of the final demands and not of the gross output.

SUMMARY TABLE A

MULTIPLIERS AND TOTAL ECONOMIC IMPACT GENERATED
BY THE UNITED STATES MERCHANT MARINE
AND SHIPBUILDING INDUSTRIES, 1967

	DIRECT AND INDIRECT IMPACT							DIRECT, INDIRECT & INDUCED IMPACT						
	(1) Final Demand	(2) Direct Coeff.	(3) Direct Impact	(4) Multi-plier	(5) Impact Given	(6) Impact Recvd.	(7) Impact Ratio	(8) Final Demand	(9) Direct Coeff.	(10) Direct Impact	(11) Multi-plier	(12) Impact Given	(13) Impact Recvd.	(14) Impact Ratio
U.S. MERCHANT MARINE	($MM)		($MM)		($MM)	($MM)		($MM)		($MM)		($MM)	($MM)	
Output	2373.0	1.000	2373.0	1.98	4704.8	4230.9	1.11	1,660.3	1.000	1660.3	4.24*	7031.8	4,230.9	1.66
GNP (Value Added)	2373.0	.383	908.7	2.28	2,071.1	1620.1	1.28	1,660.3	.384	635.8	5.43	3,453.4	1,620.1	2.13
Employment Compensation	2373.0	.235	557.3	2.25	1,251.7	993.7	1.26	1,660.3	.235	389.9	4.88	1,902.1	993.7	1.91
Indirect Business Tax	2373.0	.024	56.0	2.5	148.9	103.4	1.44	1,660.3	.025	40.6	8.20	332.7	103.4	3.22
Property-Type Income		.124	293.3	2.29	670.3	523.0	1.28	1,660.3	.124	205.2	5.94	1,218.1	523.0	2.33
Employment (Man-years)	2373.0	30.632	72,689	2.39	173,426	129,600	1.34	1,660.3	30.632	50,858	5.80	294,752	129,600	2.27
U.S. SHIPBUILDING														
Output	2,124.7	1.000	2,124.7	2.05	4,349.7	2,557.4	1.70	2,124.7	1.000	2,124.7	4.89*	10,384.8	2,557.4	4.06
GNP (Value Added)	2,124.7	.506	1,075.0	1.92	2,065.5	1,293.9	1.60	2,124.7	.506	1,075.0	4.93	5,299.6	1,293.9	4.10
Employment Compensation	2,124.7	.436	926.5	1.69	1,561.1	1,115.2	1.40	2,124.7	.436	926.5	3.47	3,217.6	1,115.2	2.89
Indirect Business Tax	2,124.7	.009	19.7	4.03	79.3	23.7	3.35	2,124.7	.009	19.7	22.75	448.0	23.7	18.90
Property-Type Income	2,124.7	.061	128.8	3.30	425.1	155.0	2.74	2,124.7	.061	128.8	12.70	1,634.4	155.0	10.54
Employment (Man-years)	2,124.7	54.743	116,313	1.72	199,865	140,000	1.43	2,124.7	54.743	116,313	4.13	497,697	140,000	3.43

Sources: (1) MarAd I-O Table C1. (2) MarAd I-O Table C2. (3) = (1) x (2)
(4) Output multiplier from MarAd I-O Table C4. (5) = (3) x (4) Impact given is calculated by multipliers before rounding.
(6) Impact received is equal to gross output and the values of its value-added components. See MarAd I-O Table C1,and E series, column 61 for the U.S. merchant marine, and column 30 for the U.S. shipbuilding industry.
(7) = (5) / (6)
(8) Final demand excluding the household sector. (9) MarAd I-O Table C2. (10) = (8) x (9)
(11) See MarAd I-O Table C1 and E-series. (12) = (10) x (11)
(13) See note 6 above. (14) = (12) / (13).

*Exclude "Household Sector"

SUMMARY TABLE B

DIRECT AND INDIRECT
OUTPUT AND EMPLOYMENT IMPACT GIVEN AND RECEIVED
BY THE U.S. MARITIME INDUSTRIES, 1967

	U. S. Merchant Marine				U.S. Shipbuilding & Repairing			
	Output Impact		Employment Impact		Output Impact		Employment Impact	
	Given	Received	Given	Received	Given	Received	Given	Received
	(In $ Million)		(Person -years)		(In $ Million)		(Person -years)	
1 LIVESTOCK AND PRODUCTS	7.0	6.9	398	212	5.9	.4	337	22
2 OTHER AGRICULTURAL PROD.	9.2	23.6	683	722	6.1	1.4	455	77
3 FOREST AND FISH PRODUCTS	1.9	.7	131	22	2.8	0	193	3
4 IRON ORES MINING	4.6	.2	68	8	16.8	0	247	1
5 NONFERROUS ORES MINING	4.3	.2	142	7	11.9	0	388	2
6 CRUDE OIL AND NATURAL GAS	48.2	.3	894	11	13.3	0	243	3
7 OTHER MINING	9.0	1.7	357	54	14.8	.2	586	9
8 CONSTRUCTION	62.3	243.4	2404	7457	28.6	46.9	1104	2565
9 ORDNANCE AND ACCESSORIES	1.3	16.4	39	503	13.2	3.3	390	178
10 FOOD PRODUCTS AND TOBACCO	16.7	277.1	322	8488	17.4	16.2	335	885
11 TEXTILE AND APPAREL	52.1	38.2	2583	1169	15.8	2.9	785	156
12 LUMBER AND WOOD PRODUCTS	10.7	21.6	524	662	37.6	1.5	1850	80
13 PAPER AND PRODUCTS	25.0	9.9	746	305	22.5	.6	671	34
14 PRINTING AND PUBLISHING	19.9	8.2	946	252	17.6	.6	832	36
15 CHEMICALS AND PRODUCTS	21.9	26.2	443	803	23.5	1.5	476	84
16 OTHER CHEMICAL PRODUCTS	22.0	25.8	445	792	11.5	1.8	233	99
17 PETROLEUM REFINING	102.2	205.6	694	6299	21.2	10.3	144	564
18 RUBBER AND PLASTICS	24.5	15.8	795	484	24.7	1.4	803	78
19 LEATHER AND PRODUCTS	.8	7.1	53	216	1.0	.5	63	29
20 GLASS AND PRODUCTS	9.7	1.0	443	30	7.6	.1	346	4
21 STONE AND CLAY PRODUCTS	10.3	3.3	434	101	24.5	.2	1035	11
22 PRIMARY IRON AND STEEL	90.9	11.6	2627	354	334.0	.7	9652	38
23 PRIMARY NONFERROUS METALS	67.4	2,7	1310	83	183.2	.3	3558	14
24 HTNG,PLMG,AND STRL, METALS	14.3	5.6	552	173	131.8	6.9	5090	377
25 OTHER FABRICATED METALS	85.6	9.7	2993	296	106.6	1.5	3728	82
26 ENGINES AND TURBINES	12.6	4.1	344	124	123.3	7.3	3365	402
27 MACHINERY AND EQUIPMENT	56.1	45.1	2131	1382	264.7	26.2	10050	1435
28 OFFICE MACHINES	2.8	11.6	85	356	7.6	2.0	232	112
29 OTHER ELECTRIAL EQPT.	22.6	39.1	920	1199	69.9	4.9	2848	271
30 SHIPBUILDING AND REPAIR	118.9	3.9	6508	119	2141.0	2141.0	117202	117202
31 OTHER TRANSPORT EQPT.	24.7	98.4	630	3013	58.3	72.9	1486	3993
32 INSTRUMENTS	19.1	8.5	783	260	17.4	2.3	713	124
33 MISCELLANEOUS MFG.	7.1	9.6	327	296	4.6	.9	212	47
61 U.S. MERCHANT MARINE	2587.6	2587.6	79263	79263	3.8	118.9	119	6508
62 FOREIGN SHIPS	2.2	0	0	0	4.3	0	0	0
39 SERVICE TO WATER TRANS.	308.6	3.1	20123	96	.5	40.5	30	2215
40 OTHER TRANS. AND STORAGE	201.0	47.1	12013	1444	82.3	3.3	4920	179
41 COMMUNICATIONS	32.9	5.4	1418	164	26.2	.6	1129	31
42 UTILITIES	42.2	60.7	726	1859	54.1	3.9	932	213
43 WHOLESALE AND RETAIL	91.7	118.2	9070	3622	129.2	11.3	12775	617
44 FINANCE,INS.,AND R.E.	183.1	107.6	3668	3295	83.5	12.1	1675	665
45 SERVICES	160.1	96.1	10766	2944	114.8	10.1	7725	556
46 GOVERNMENT ENTERPRISE	74.1	22.6	3643	691	18.6	1.6	914	87
47 NONCOMPETITIVE IMPORTS	268.9	0	0	0	3.5	0	0	0
48 COMPETITIVE IMPORTS	42.7	0	0	0	67.3	0	0	0
49 DUMMY INDUSTRIES	37.8	*	0	(-23)	55.8	(-4.5)	0	(-7)
50 MISCELLANEOUS INDUSTRIES	0	0	0	0	0	0	0	0
TOTAL IMPACT GENERATED[a]	4704.8	-	173,426 *	-	4349.7	-	199,865	-
TOTAL IMPACT RECEIVED[b]	-	4230.9	-	129,600	-	2,557.4	-	140,000

a. Domestic impact. Excludes impacts on foreign ships, noncompetitive, and competitive imports.
b. Total impact received equals to gross output.

Sources: Direct and Indirect Impact Tables.

SUMMARY TABLE C

DIRECT, INDIRECT AND INDUCED
OUTPUT AND EMPLOYMENT IMPACT GIVEN AND RECEIVED
BY THE U.S. MARITIME INDUSTRIES, 1967

		U.S. Merchant Marine				U.S. Shipbuilding & Repairing			
		Output Impact		Employment Impact		Output Impact		Employment Impact	
		Given	Received	Given	Received	Given	Received	Given	Received
		(In $ Million)		(Person-years)		(In $ Million)		(Person-years)	
1	LIVESTOCK AND PRODUCTS	119.6	1.	6,780	48	191.0	0.1	10,829	6
2	OTHER AGRICULTURAL PROD.	101.3	23.6	7,539	722	159.3	1.6	11,849	90
3	FOREST AND FISH PRODUCTS	16.1	*	1,109	*	26.6	*	1,834	-3
4	IRON ORES MINING	5.3	.5	78	15	20.1	0	295	2
5	NONFERROUS ORES MINING	4.8	.9	158	27	14.8	0.1	483	4
6	CRUDE OIL AND NATURAL GAS	76.3	1.6	1,401	50	82.1	0.1	1,506	8
7	OTHER MINING	17.2	5.0	678	154	32.3	0.4	1,276	22
8	CONSTRUCTION	99.4	695.0	3,834	21,289	118.6	81.9	4,576	4481
9	ORDNANCE AND ACCESSORIES	3.9	62.7	115	1,920	18.0	6.7	533	371
10	FOOD PRODUCTS AND TOBACCO	381.4	38.3	7,335	1,174	614.0	2.5	11,808	143
11	TEXTILE AND APPAREL	203.5	12.7	10,098	396	285.5	1.0	14,164	54
12	LUMBER AND WOOD PRODUCTS	45.4	23.1	2,233	709	98.8	1.7	4,861	93
13	PAPER AND PRODUCTS	81.4	10.5	2,428	322	125.6	0.7	3,747	41
14	PRINTING AND PUBLISHING	83.1	10.9	3,935	335	129.2	0.8	6,120	46
15	CHEMICALS AND PRODUCTS	65.6	40.9	1,327	1,254	104.6	2.7	2,117	149
16	OTHER CHEMICAL PRODUCTS	61.5	11.5	1,247	354	85.9	0.9	1,742	47
17	PETROLEUM REFINING	148.0	52.4	1,005	1,604	144.7	2.9	983	158
18	RUBBER AND PLASTICS	72.7	15.8	2,361	484	114.5	1.3	3,715	72
19	LEATHER AND PRODUCTS	21.4	.7	1,409	22	34.6	0.1	2,276	3
20	GLASS AND PRODUCTS	16.3	1.7	745	53	22.9	0.1	1,048	7
21	STONE AND CLAY PRODUCTS	17.6	3.7	746	112	41.3	0.2	1,747	14
22	PRIMARY IRON AND STEEL	101.7	17.9	2,939	547	395.5	1.2	11,427	65
23	PRIMARY NONFERROUS METALS	71.4	7.3	1,387	223	222.2	0.6	4,316	33
24	HTNG, PLMG, AND STRL, METALS	17.6	13.4	680	410	144.0	7.2	5,563	396
25	OTHER FABRICATED METALS	107.2	15.4	3,747	471	182.9	1.6	6,396	91
26	ENGINES AND TURBINES	12.0	18.1	326	555	128.4	7.8	3,503	430
27	MACHINERY AND EQUIPMENT	66.2	153.0	2,514	4,687	308.2	34.3	11,701	1884
28	OFFICE MACHINES	9.8	48.3	301	1,481	20.2	4.8	622	264
29	OTHER ELECTRICAL EQPT.	82.3	114.8	3,353	3,518	177.2	10.1	7,220	557
30	SHIPBUILDING AND REPAIR	83.7	15.8	4,585	485	2141.9	2141.9	117,253	117253
31	OTHER TRANSPORT EQPT.	124.9	217.2	3,182	6,553	232.0	58.7	5,910	3219
32	INSTRUMENTS	29.9	29.0	1,225	888	44.0	3.4	1,806	188
33	MISCELLANEOUS MFG.	33.7	8.2	1,543	250	51.0	0.7	2,333	36
61	U.S. MERCHANT MARINE	1817.9	1817.9	55,684	55,684	15.8	83.7	485	4585
62	FOREIGN SHIPS	4.1	0	0	0	8.3	0	0	0
39	SERVICE TO WATER TRANS.	216.9	8.7	14,148	268	2.2	39.5	141	2165
40	OTHER TRANS. AND STORAGE	257.1	50.2	15,366	1,538	270.3	3.8	16,152	205
41	COMMUNICATIONS	91.9	11.3	3,960	347	137.4	0.9	5,918	50
42	UTILITIES	148.2	16.2	2,550	496	245.7	1.2	4,228	63
43	WHOLESALE AND RETAIL	614.9	63.9	60,800	1,958	1017.9	5.2	100,646	282
44	FINANCE, INS., AND R.E.	713.2	20.9	14,286	639	1027.7	1.8	20,585	97
45	SERVICES	601.3	67.1	40,439	2,056	904.4	5.5	60,825	303
46	GOVERNMENT ENTERPRISE	105.4	11.7	5,180	358	105.0	0.9	5,158	47
47	NONCOMPETITIVE IMPORTS	240.0	0	0	0	87.1	0	0	0
48	COMPETITIVE IMPORTS	72.3	0	0	0	135.8	0	0	0
49	DUMMY INDUSTRIES	71.8	*	*	*	129.0	*	0	*
50	MISCELLANEOUS INDUSTRIES	11.0	514.0	0	15,777	17.7	40.5	0	2215
	TOTAL IMPACT GENERATED[a]	7031.8	-	294,752	-	10,384.8	-	497,697	-
	TOTAL IMPACT RECEIVED[b]	-	4,230.9	-	129,600	-	2557.4	-	140,000

a. Domestic impact. Excludes impacts on foreign ships, noncompetitive, and competitive imports.
b. Total impact received equals to gross output.

Sources: Direct and Indirect Impact Tables.

ECONOMIC IMPACT OF THE UNITED STATES MERCHANT MARINE

The United States ship operating industry consists of all the United States-owned shipping firms which operate American-flag vessels both in the foreign and domestic waters. In accordance with the Standard Industry Classification (SIC), the U.S. Merchant Marine includes five subsectors: (1) Deepsea Foreign transportation, (2) Deepsea Domestic transportation, (3) Great Lakes-St. Lawrence Seaway transportation (4) Rivers and Canals transportation, and (5) Local Water transportation.

The domestic shipping market (Deepsea-domestic, rivers and canals, and local water transportation) is monopolized by the U.S. ship operators due to the Merchant Marine Act of 1920 and similar cabotage laws. The foreign trade shipping (Deepsea-foreign and Great Lakes) has been, however, dominated by the foreign operators, to a large extent, due to U.S. operators' cost disadvantages resulting from higher operating costs in the United States.

The water transportation requirements of the U.S. economy in 1967 was $5,432.9 million. Of the total transportation requirements, $4,230.9 million (78 percent) worth of services were provided by the United States Merchant Marine, and the balance of $1,193.0 million (22 percent) were supplied by foreign vessels.

(In $Million)

	Total Req.	U.S. Share	Foreign Share
Deepsea Foreign Transport	$3,190.3	1,997.3	1,193.0
Deepsea Domestic Transport	1,111.9	1,111.9	0
Great Lakes & St. Lawrence Seaway	265.5	265.3	*
Rivers and Canals	597.4	597.4	0
Local Water Transport	258.8	258.8	0
Total	5,423.9	4,230.9	1,193.0

*Included in Deepsea Foreign Transport figure.

Out of $3,190.3 million worth of foreign-trade (Deepsea-foreign) shipping needs, $1,997.3 (63 percent) was shared by the U.S.-flag ships, and the remaining $1,193.0 million (37 percent) by foreign-flag vessels. The U.S. vessels carried mostly goods such as foreign aids, military shipments, and other government originated shipments. In terms of foreign trade shipments originated from private sectors, the U.S. Merchant Marine carried only 7 percent of trade volume in tonnage in spite of some $220.7 million ODS subsidies.

Sales by the U.S. Merchant Marine

Who bought the services of the U.S. merchant marine in 1967? Of the total gross output of $4,230.9 million produced in 1967, the American shipping industry actually sold (in terms of input markup margins) $2,373.0 million (56.1

percent) worth of services to the final demand sectors, and the remaining $1,857.9 million (43.9 percent) to processing sectors as intermediate goods or inputs for the industrial production.

The largest final demand sales went to the export sector which purchased $902.1 million worth of shipping services from the domestic fleet. Next, the Household Sector purchased $712.7 million services from the American fleet in order to ship consumption goods. Federal Government purchased $697.1 million of services from the domestic fleet. Most of these services were for the shipment of military goods.
Ten major industries which actually purchased the shipping services to bring inputs to their production points were: (See transactions table)

. Petroleum Refining	$344.6 million
. Primary Iron & Steel	174.9
. Food Products & Tobacco	152.0
. Deepsea-Domestic Transport ..	115.0
. Government Enterprise	97.3
. Construction	91.9
. Deepsea-Foreign Transport ...	82.0
. Chemicals & Products	57.6
. Finance, Insurance, & R.E. ..	53.9
. Utilities	53.1

Impact Received

The gross output as well as total employment of an industry equals the sum of direct and indirect impact received from all industrial sectors including itself. As shown in Summary Table B (columns 2 and 4) the gross output, $4,230.9 million, and the total employment, 129,600, of the American fleet in 1967 were due to production requirments originating directly and indirectly from the following sectors: (only ten major sectors are shown)

. $2,587.6 million output and 79,263 person-years of employment due to final demand for the U.S. Merchant Marine itself,

. $277.1 million and 8,488 employment due to Food Products and Tobacco,

. $243.4 million and 7,457 employment due to Construction industry,

. $205.6 million and 6,299 employment due to Petroleum Refining,

. $118.2 million and 3,622 employment due to Wholesale and Retail Sale,

. $107.6 million and 3,295 employment due to Finance, Insurance, and Real Estate,

. $98.4 million and 3,013 employment due to Other Transport Equipment,

. $96.1 million and 2,944 employment due to Services,

. $60.7 million and 1,859 employment due to Utilities, and

. $47.1 million and 1,444 employment due to Other Transportation and Storage.

One may conclude that the gross output and employment of the U.S. Merchant Marine is dependent upon the changes in the final demands of practically all sectors of the U.S. economy. Changes in the final demands of Shipping sector itself. Food Products and Tobbaco, Construction, Petroleum Refining, Wholesale and Retail Sale, Finance, Insurance, and Real Estate, and other industries would have direct and indirect impact on the output and employment of the U.S. Merchant Marine.

Impact Given

Just as the gross output of the American fleet in 1967 was the result of the sustaining the production requirements of all sectors of the nation, the ship operating industry affected the other sectors to increase their outputs to satisfy the final demand requirements of the U.S. Merchant Marine. Any industry, in the process of meeting the production requirements of final demands for its own, must acquire inputs from other industries and also services of labor, capital and other value added components. An increment of the output of an industry delivered to the final demand then means the expansion of outputs of all other industries through direct and indirect process.

In 1967, the final demand for the U.S. Merchant Marine was $2,373.0 million. Through input-output tables, it is known that for every dollar of final demand of the U.S. Merchant Marine, total output of the nation must increase by slightly more than $1.98. Therefore, the total impact on the U.S. economy was $4,704.8 million in output.

Similarly, the employment multiplier was 2.39. It means that for every direct job created by the final demand of the U.S. Merchant Marine, 2.39 jobs were created throughout the nation directly and indirectly. As shown in Summary Table A, the total employment impact was 173,429.

The sector by sector direct and indirect output and employment impacts of the American fleet are shown on Summary Table B, columns 1 and 3. Ten industries most affected by the U.S. Merchant Marine are listed below:

	($Million)	(Person-yrs.)
. U.S. Merchant Marine	$2,587.6	79,263
. Services to Water Transport (domestic ports)	308.6	20,123
. Noncompetitive imports (foreign ports)	268.9*	0
. Other Transportations (excluding water transport)	201.0	12,013
. Finance, Insurance, R.E....	183.1	3,668
. Services	160.1	10,766
. Shipbuilding and Repairing.	118.9	6,508
. Petroleum Refining	102.2	694
. Wholesale & Retail	91.7	9,070
. Primary Iron & Steel	90.9	2,627

*Impact on foreign countries is excluded in the total impact of the U.S. Merchant Marine in order to quantify only the domestic impact.

Induced Impact Given

A similar impact analysis can be made to measure the "induced" effects of the United States ship operating industry. By excluding the Household Sector from the final demand but including it in the Processing Sector, the input-output model can measure the economic effects generated by the spending and respending of incomes earned by the nation's workers. On one hand, the reduction in the size of final demand tends to decrease the magnitude of impact, on the other hand, the inclusion of the induced effect of consumer spending tends to inflate the size of the multiplier. The net effect varies industry to industry. But for the American Shipping industry, there is a slight increment in the impact generated. The type 11 multiplier is now as high as 4.24. And, the size of the autonomous sector or the final demand of closed model is reduced to $1,660.3 million due to the exclusion of the Household Sector. The net effect is, however, a considerable expansion of the magnitude of the output impact on industries: approximately $7,031.8 million worth of national production was attributable to the American fleet.

The type 11 employment multiplier was 5.80 and the total employment impact on the economy was 294,752 person-years. (See Summary Table C)

Ten major beneficiaries were:

	(Million)	(Person-Yrs)
. U.S. Merchant Marine	$1,817.9	55,684
. Finance, Insurance, R.E. ..	713.2	14,286
. Wholesale and Retail	614.9	60,800
. Food Products & Tobbaco ...	381.4	7,335
. Other Transportation & Storage (Exclusive of Water Transport.)	257.1	15,366
. Noncompetitive Imports (Foreign ports)	240.0	0
. Service to Water Transport .	216.9	14,148
. Textile & Apparel	203.5	10,098
. Utilities	148.2	2,550
. Petroleum Refining	148.0	1,005

GNP or National Income Impact

Application of the GNP multipliers (2.28 for Type 1, and 5.43 for Type 11) resulted in the GNP contribution of $2,071.1 million or 2.6 percent of the 1967 GNP for direct and indirect effect, and $3,453.4 million or 4.3 percent of the GNP including the induced effect.

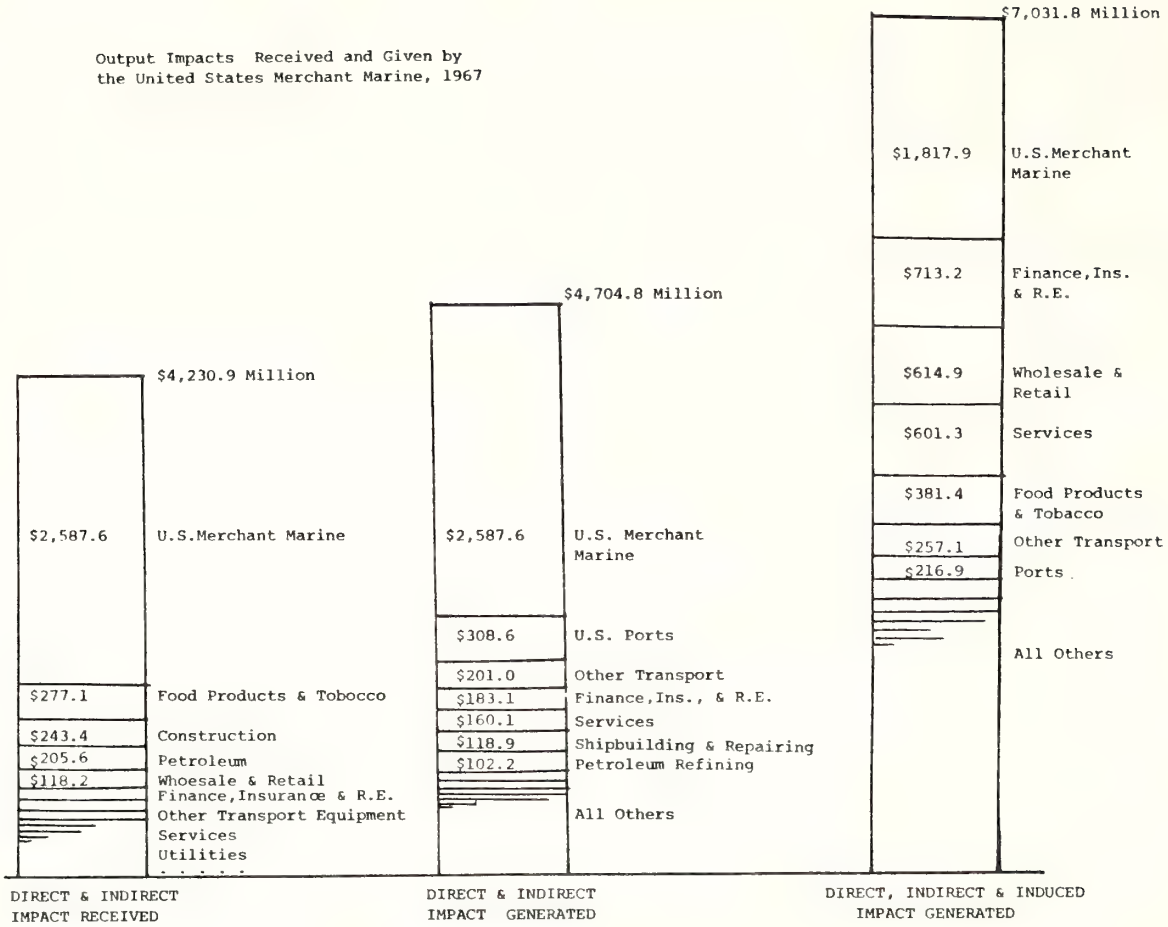
The three components of the value-added sector of induced effect were as follows:

. $1,902.1 million of wages and salaries,
. $ 332.7 million of indirect business taxes, and
. $1,218.1 million of property-type income.

Impact Ratios

In 1967, the total output impact received by the U.S. Merchant Marine was $4,230.9 million against the total output impact given to other industries of $4,704.8 million for direct and indirect effect, and $7,031.8 million including

Output Impacts Received and Given by
the United States Merchant Marine, 1967



Source: Summary Tables A, B, and C.

the induced effect. Accordingly, the impact ratios were 1.11 for Type 1, and 1.66 for Type 11. The industry was therefore a net exporter of impacts.

ECONOMIC IMPACT OF SHIPBUILDING INDUSTRY

The United States Shipbuilding and Repairing industry consists of over 400 establishments primarily engaged in building and repairing all types of ships, barges, and lighters, whether self-propelled or towed. This industry also includes the conversion and lateration of ships. Naval shipyards and the boat building industry are excluded.

The American shipyards build and repair both commercial and military ships. The Navy has been the largest customer of the industry. Virtually all the merchant tonnage is built for domestic customers under Construction Differential Subsidy (CDS) program, or under the protection of the Merchant Marine Act of 1920, the Jones Act, which specifies that all intercoastal traffic must move in U.S.-built vessels.

The gross output of the industry in 1967 was $2,557.4 million. These were the total revenues received by the shipyards selling their ships and repair services in the year.

The U.S. shipyards sold 83.1 percent of its output, or $2,124.7 million, to the final users (final demand sales), and the remaining 16.9 percent, or $432.7 million, to other industries as inputs to their production process (intermediate sales). Among the final users, the Federal Government was the major customer who purchased 57.1 percent of the total output of the shipbuilding industry. Nearly all government purchase was for defense uses or construction and repair services for naval ships.

The second highest final users were the domestic ship operators who bought 17.9 percent of the total output of $456.9 million worth of ships. These were primarily those ships constructed under the provisions of CDS and Jones Act. In 1967, CDS amounted to $8.1 million or 3.32 percent of the total output of the U.S. shipbuilding industry.

Impact Received

Total output of $2,557.4 million and total shipyard employment of 140,000 person-years represented the total interindustry impact received by the shipyards. As shown in Summary Table B, Column 5, $2,141.0 million or 84 percent of output was attributable to direct and indirect effect of the final demand for ship construction and repairing services. Outputs of shipyards were in part due to production needs of other industrial sectors. The U.S. merchant marine industry generated $118.9 million worth of output for shipyards in the form of repair services. (Note: ship construction is included in the final demand.) Other Transportation Sector, Construction industry, and domestic ports were other sectors which purchased the repair services of the shipyards. But there were very few industries

which purchased the repair services: 19 out of 50 MarAd I-O sectors did so.

As far as the employment was concerned, 117,202 person-years of shipyards' workforce was attributable to ship construction activities of final demands; and 6,508 jobs were due to U.S. merchant marine, 3,993 jobs due to Other Transportation Equipment industry, 2,565 jobs due to Construction industry, and so forth. (See Summary Table B, Column 8)

One may therefore conclude that the shipyards' output and employment were dependent largely on the production requirements of final users such as orders from the Navy Department, CDS and Jones Act ship constructions.

Impact Generated

Just as the shipyards' output and employment were the results of ship construction and repair needs of all industries in the nation, the American ship construction industry contribute to the outputs, employment and other economic performances of all sectors of the national economy.

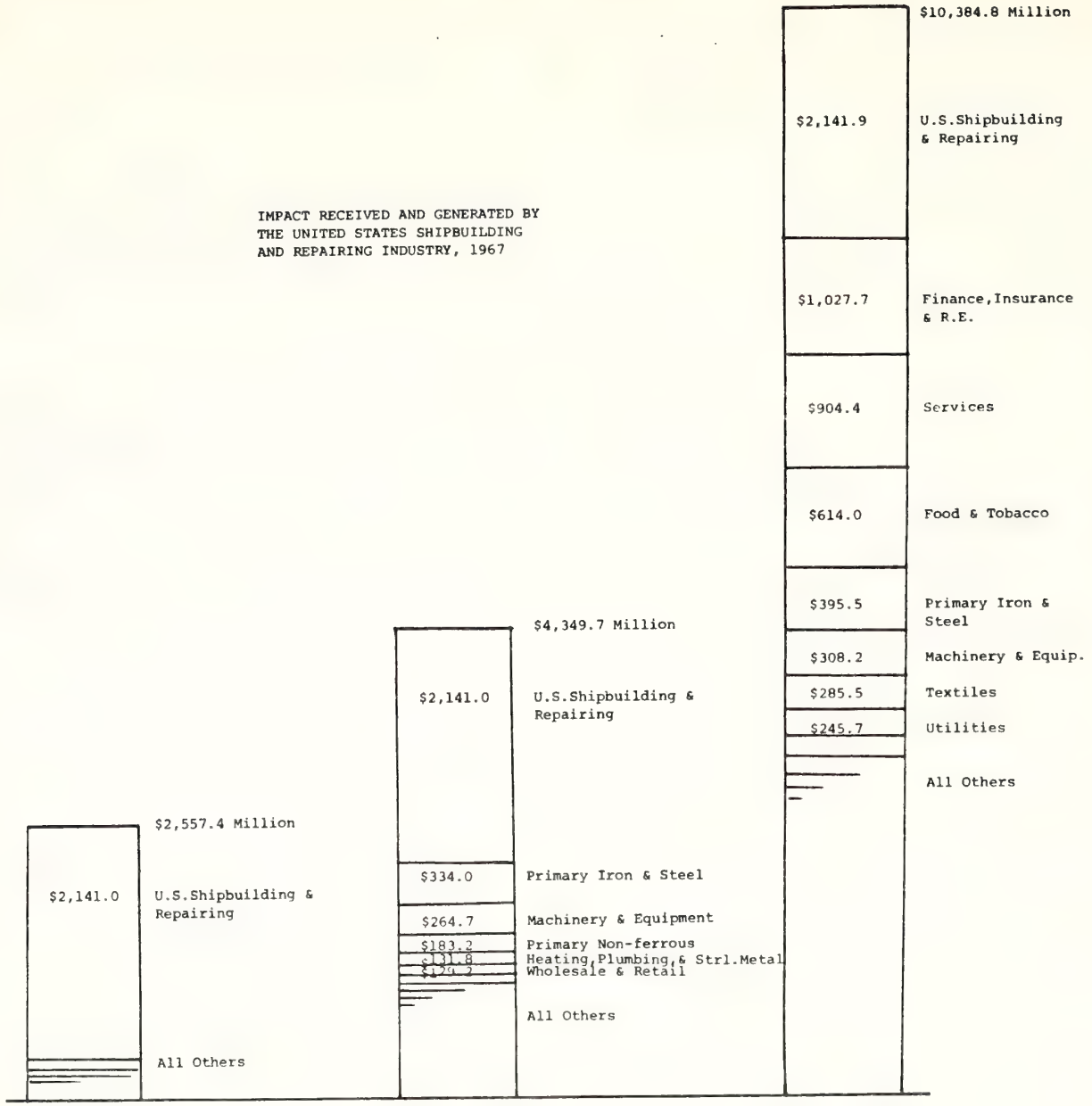
According to Summary Table A, output and employment multipliers of shipbuilding industry were 2.05 and 1.72 respectively. Accordingly, the direct and indirect impacts generated by the ship construction sector were $4,349.7 million of output and 199,865 person-years of employment throughout the nation.

Impacts can be also measured in terms of impact ratio or ratio of impact given to received, was 1.70 for the output and 1.43 for the employment taking into account only for the direct and indirect effects. In other words, the impact generated by the shipyards was 1.70 times larger than the impact received or the gross output, and 1.43 times larger than the total employment of the shipyards.

The major portion of the impact was on itself. As stated earlier, $2,141 million worth of output and 117,202 man-years of employment were due to its own final demands. The rest of the impacts generated by the shipyards were distributed among other industries. The major beneficiaries were:(See Summary Table B, Columns 5 and 7)

- Primary Iron and Steel industry with $334.0 million of output and 9,652 jobs attributable to shipyards;
- Machinery and Equipment industry with $264.7 million output and 10,050 jobs;
- Primary Nonferrous Metals industry with $183.2 million output and 3,558 jobs;
- Heating, Plumbing, and Structural Metals industry with $131.8 million output with 5,090 jobs;
- Wholesale and Retail Sector with $129.2 million output and 12,775 jobs;

IMPACT RECEIVED AND GENERATED BY
THE UNITED STATES SHIPBUILDING
AND REPAIRING INDUSTRY, 1967



Source: Summary Tables A,B, and C.

- Engines and Turbines industry with $123.3 million output and 3,365 jobs;

- Services sector with $114.8 million output and 7,725 jobs.

A similar impact analysis can be made for the induced effects. Summary Table C lists the industries which were affected by the shipbuilding activites, and the aggregate impacts are shown in Summary Table A. Some of the multipliers and impacts are listed below taken from these tables.

For example, for every dollar of delivery to the final demand, the shipbuilding industry generated $2.05 worth of direct and indirect impact; and $4.89 worth of direct, indirect and induced impact throughout the economy.

For every million dollar worth of delivery to the final demand, the shipyards, on the average, generated 54.743 person-years of employment directly. Application of employment multipliers of 1.72 (type I) and 4.13 (type II) implies that, on the average, 94.158 jobs were created directly and indirectly, and as many as 226.089 jobs, including the induced effect, were generated for every million dollar worth of delivery to the final demand by the shipyards.

For every dollar of shipbuilding and repairing output, the value-added by the industry in 1967 was on the average 50.6 cents. This consisted of 43.6 cents for wages and salaries, .9 cents for indirect business taxes, and 6.1 cents for property-type incomes which include profits, interests, and rents. This meant that the value added component of $2,124.7 million final demand was calculated to be $1,075 million and constituted .14 percent of 1967 Gross National Product.

The Type I GNP multiplier was $1.92 per dollar of final demand, and yielded $2,065.5 million in direct and indirect contribution to the national income attributable to the shipyards' activities. Similarly, the Type II GNP impact was estimated at $5,299.6 million or $4.93 per dollar of shipyards' output delivered to the final demand.

In conclusion, the overall impact of shipbuilding industry on the nation's GNP was nearly .67 percent. This is, relatively speaking, a large contribution for an industry whose value-added component of final demand or direct impact measured only .14 percent of GNP. Indeed the Type II GNP impact ratio of 4.10 for the U.S. Shipbuilding industry was the largest impact ratio among all industries in the nation.

Chapter 1

INPUT-OUTPUT MODEL AND IMPACT OR MULTIPLIER ANALYSIS

1.1 Direct, Indirect and Induced Impact

The impact studies are designed to measure effects of changes in final demand in one or more sectors of the national economy. There are three types of economic impacts: direct, indirect, and induced.

Assume that there are three industrial sectors A, B, and C in a nation. It is also assumed that A purchases inputs from B, B from C, and C from A. When A increases its output to meet the increased final demand, A must buy more inputs from B. B, in order to sell more, must also increase its output. The increment in output of A and B due to changes in the final demand of A is called the direct impact. The impact, however, does not stop here. The industry B must also purchase inputs from C in order to produce more; and similarly, C must order more inputs from A to expand its output; and in turn, A must purchase more from B, ... and so on. These rounds of output expansion due to interindustry dependence are called indirect impacts.

There is, however, another kind of impact. When there is an expansion of outputs by industries, it is accompanied by increased income and spending. The increased spending by the industrial workers and their families induces further production of consumption goods and services in the economy. The expansion of consumption goods further improves the income and results in more spending. The effect of spending and spending on the output of the nation is called induced impact.

Economists have long been interested in measuring the total impact upon output, employment, and income resulting from a given change in investment. Although there are various types of multipliers, the basic idea of a multiplier is simple: it posits that the total impact upon employment, income and output is some multiple of a given change in investment or autonomous spending.

1.2 Aggregate vs. Sectoral Multipliers

The theory of the multiplier can be traced back to R.F. Kahn who in 1931 attempted to measure the effect of increased public works expenditures on the level of employment.[1/] Subsequently, in 1936, Keynes pre-

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1/ R.F. Kahn, "The Relation of Home Investment to Unemployment," Economic Journal, Vol.XLI, No.162, June, 1931, pp.173-198.

sented his income multiplier in his seminal book: The General Theory of Employment, Interest and Money.[2] Keynes treated a nation as a single giant industry and dealt in broad aggregates. Thus, an aggregate multiplier measures the effect of a unit change in some component of aggregate demand on the total national income.

The concept of an aggregate multiplier is a useful one, and it plays an important role in macroeconomic policy. The drawback of the aggregate multiplier is, however, that it does not differentiate the effects of economic stimulus originating from different sectors of our economy. Whether changes in final demand come from agricultural, manufacturing, or service sectors, the aggregate multiplier assumes the impacts would be the same.

On the other hand, Leontief's input-output model treats an economy consisting of many industries.[3] It enables us to derive a set of sectoral multipliers which take into account that the impact on income (output, employment) will vary according to which sector experiences the initial expenditure change.

The input-output model goes much further than just producing sectoral multipliers. It also produces "mini-multipliers" that reveal relationships between industries. In the Leontif inverse matrix, each element, b_{ij}, is a miniature multiplier denoting both the direct and indirect effects upon the industry by the basic income received by the j industry. The sectoral multiplier is the sum of these mini-multipliers.

1.3 Open vs. Closed Model I-O Multipliers

Input-output sectoral multipliers can be divided into two classes: open-model and closed-model multipliers. Open-model multipliers take into account both the direct and indirect impacts on the economy when an industry delivers one additional dollar's worth of output to the final demand. In the open-model, the final demand is determined outside of the model or given exogenously.[4] The open-model's final demand generally includes the following sectors: personal consumption expenditures (household sector), capital formation, exports, and Federal,

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[2] John Maynard Keynes, The General Theory of Employment, Interest and Money, New York: Harcourt, Brace, 1936.

[3] Wassily W. Leontief, The Structure of American Economy, 1919-1939. Second Edition. New York: Oxford University Press, 1951. Input-Output Economics. New York: Oxford Univeristy, 1966.

[4] Final demands are outside the processing matrix because the input-output relationship of final demand sectors is relatively unstable. Thus, inclusion to the basic matrix would jeopardize the stability of

State, and local governments.[5] In the open model, there is no analysis of the level of income. It is assumed that the personal income is exogenously determined or given as a component of the final demand.

An input-output table is closed (partially) by transferring the household sector from the final demand to the interindustry sector or endogenous part of the I-O table.[6] In the closed model, the consumer sector is regarded as a production sector. This closing of the basic transaction table, with respect to the household sector, will capture the induced impact of consumer spending on the economy.

Open-model multipliers are often called Type I multipliers in contrast to the closed-model multipliers which are called Type II multipliers. The latter, adding the ripple effect of consumer spending on the economy, tends to be considerably larger than the former.[7]

1.4 Output, Employment, and Income Multipliers

Depending on the type of the unit of impact to be measured, we can devise various types of multipliers. More common types are multipliers on output, income, and employment.

The output multiplier (Type I) for an industry measures the sum of direct and indirect impacts on all sectors which supply inputs to a given industry to deliver one additional dollar of output to final demand. It is equal to the column sum of the Leontief inverse matrix.

The income multiplier (Type I) is the ratio of the direct plus the indirect income change to the direct income change resulting from a unit change in final demand for any given sector.

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coefficients through time.

[5] In BEA's open model, the distinction between the intermediate and final demand sectors followed the conventions of national income accounting.

[6] In a strict sense, so long as at least one sector belongs to the autonomous sector, the input-output system is known as an open system. However, we use the word "closed" in a relative sense.

[7] Sectoral multipliers produced by I-O tables may vary depending on the degree of model closure or the allocation of sectors between the interindustry (endogenous) matrix and final demand (exogenous). The more the models are closed, the higher the multipliers; on the other hand, another consequence is a narrowing of the final demand through which exogenous injections are pumped into the economy.

Employment multipliers measure the effects of industrial expansion on the level of employment. The Type I multiplier is the ratio of the direct plus indirect employment change to the direct employment change resulting from a unit change in the final demand.

The closed-model multipliers (Type II) can be similarly defined except that they also measure the induced effects of changes in the final demand exclusive of household sector.[9]

By treating households like any other industry, we assume that consumer spending on each of the various goods and services changes in proportion to income. This assumption of simple proportionality between household expenditure and income is likely to exaggerate the multiplier effects, for we are using the average instead of the marginal propensity to consume.

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$$\text{Type I Multiplier} = \frac{\text{Direct \& Indirect Impact}}{\text{Direct Impact*}}$$

$$\text{Type II Multiplier} = \frac{\text{Direct, Indirect \& Induced Impact}}{\text{Direct Impact**}}$$

*Direct impact of final demand including household sector.

**Direct impact of final demand exclusive of household sector.

1.5 National, Regional & Local Multipliers

Multiplier values are inversely related to the size of leakages of area. Imports generally constitute the major leakage, and the propensity to import varies inversely with the size of area. Thus, large regions tend to have high multipliers because they import less. Richardson noted,"...Ceteris Paribus, national multipliers are higher than regional, regional than sub-regional, subregional than urban, and so on."[9]

1.6 Keynesian Multiplier, Leontief Multiplier, and Fisherian Income Velocity

Keynes changed the emphasis from determination of the level of money prices, à la crude theory of money, to the determination of the level of output and employment. He also changed the key relationship from the demand and supply of money as a way of determining the price level, to the relationship between consumption expenditures and income. The income multiplier replaced the velocity of circulation as the key concept of monetary theory.

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[9] Harry W. Richardson, Input-Output and Regional Economics, London: Weidenfeld and Nicolson, 1972, p. 37.

Although no precise relationship has been established among the Keynesian aggregate income multiplier, the Leontief sectoral multipliers, and Fisher's income velocity, one can observe similarities as well as dissimilarities among the three types of multipliers.

The Keynesian multiplier is basically an income multiplier to measure the total impact resulting from induced consumption spending and respending. It does not, however, measure the interindustry effects.

In contrast, the Leontief multipliers in the open model measure only the interindustry effects, but not the induced income effect. The closed-model multipliers, on the other hand, measure both induced consumption expenditures and interindustry effects.

Werner Z. Hirsch observed that the type I multipliers are limited to the direct and indirect effects on the income of a given change in output, but that the Type II multipliers also show "the chain reaction of interindustry reactions in income, output, and once more on consumer expenditures.[10]

Accordingly, the closed model multipliers tend to be large. It is not totally clear from the theoretical standpoint what effects the income velocity of money measures. From the size of the average velocity of money,or of the circulation in recent years, which was 4.47 in 1967, the Fisherian income velocity might be measuring both interindustry and income effects as in the closed-model input-output multipliers.[11] There are also some basic conceptual differences in the treatment of the time in which multiplier effects are supposed to take place.

The Keynesian multiplier assumes no time lag in the working out of the multiplier effect. Thus, in Keynes' version of multipliers, the consumption expenditure is supposed to adjust itself instantaneously to an income change. Indeed, the Keynesian multiplier is a "timeless" or "instantaneous" multiplier.

In contrast, the Leontief and Fisherian multipliers are Robertsonian in the treatment of the time in which the multiplier effect is to take place. They assume a time lag, implicitly, between an income receipt and its successive spending and respending. Thus,

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[10]Werna Z. Hirsch, "Interindustry Relations of a Metropolitan Area, "The Review of Economics and Statistics, XLl (November, 1959),p 360-69.

[11]The Keynesian multiplier is believed to be approximately 2, and the open-model Leontief sectoral multipliers are on the average also 2. In contrast, the closed-model input-output multipliers as well as income velocity of money are approximately 4 to 5.

it takes some time to have the multiplier effect fully work out. Both Leontief and Fisherian multipliers measure the effect actually taking place in a definite period of time, normally a year.

1.7 Economic Impact of Final Demand

The economic impact of an industry is defined as the change of economic quantities such as the output, income, and employment of an economy, caused by the final demand of a given industry in a given interindustry structure.

The above definition of economic impact points out two important aspects of an impact study. First, what is to be measured is the effects of final demand, and not the gross output of an industry. We do not measure the impact of the gross output of an industry because the gross output is in fact the result of the impact of final demands of an economy; namely, the gross output itself is the impact. The gross outputs of industries are the direct and indirect impacts of all the industry meeting the required final demands in a given year.

Next, it is significant to note that the gross outputs of industries (or impacts) may be different if the interindustry structures manifested by technical coefficients are different, even if the size of final demand vector would be the same. In 1967, the U.S. interindustry structure was captured by the input-output technical coefficient matrix prepared by the Bureau of Economic Analysis, U.S. Department of Commerce. Although the changes in these coefficients are generally believed to be slow, they nonetheless change. Since we are calculating the impact in 1967, this causes no problem. However, if we are to measure the impact of subsequent years since 1967, not only the final demands in these years must be exogenously estimated but the technical coefficients as well. On the other hand, one may assume the constant technical matrix and quantify the impacts of changes in a final demand vector.

In the appendix, such a projection was made for the year 1972, using a dynamic input-output model developed by the University of Maryland under the pioneering works of Dr. Armon Clopper.

1.8 Economic Impact Table

All industries in an economy generate economic impacts and at the same time receive impacts from other industries. Accordingly, an interindustry impact matrix similar to a transaction table can be devised. In this impact table, industries listed on the top (j sectors) are the impact generators or exporters, and the same industries listed on the left of the table (i sectors) are the recipient of the impacts or importers.

We shall formally present the construction of this impact table.

An impact table, M, is derived by the multiplication of a final demand vector (D_i) and the direct and indirect coefficients matrix (B_{ij}).

$$M_{ij} = B_{ij}\hat{D}_i \quad (i=j=1,\ldots,n)$$

Each element in the impact table, M_{ij}, represents the amount of impact generated by the j sector on the i sector in order to deliver an output equal to the final demand. $\hat{D}_i$ is a diagnalized total final demand vector including household sector. B_{ij} matrix is an open-model direct and indirect impact coefficients. Each element B_{ij} represents the amount of i sector's output generated by j sector to deliver one dollar worth of final demand. This is simply a per dollar impact table.

From the total impact table M, we further calculate the column sums and row sums. The former represents the total impact generated by the final demand of j sector, and the latter the total impact received by i sectors. Arithmatically, the total impact generated by a j sector (M_j) is equal to the column sum of the impact table.

$$M_j = \sum_i B_{ij}\hat{D}_i$$

Similarly, the total impact received by an i sector (X_i) is equal to the row sum of the impact table.

$$X_i = \sum_j B_{ij}\hat{D}_i \quad \text{or} \quad X_i = B_{ij}D_i$$

Note that X_i is the gross output vector. Furthermore, the grand total of the row sums and the column sums are the same.

$$\sum_{ij}\sum B_{ij}\hat{D}_i = \sum_{ji}\sum B_{ij}\hat{D}_i$$

However, the impacts generated (M_j) and the impacts received (X_i) of a sector (where i=j) are not necessarily the same. There are industries which may be classed as net impact exporters, and some, net impact importers. Let the impact ratio of a sector j, m_j, is defined as:

$$m_j = M_j/X_j$$

If m>1 because $M_j > X_j$, the industry is a net impact exporter. On the other hand, when m<1, the industry is a net impact importer.

Table 1-1 shows the impact ratios for the U.S. industries in 1967. Note that net impact exporters were the industries which had high percentage of its gross output shipped to final demand (D_j/X_j ratio) rather than to processing sectors. In the triangulation of input-output table, these industries belong to the industries which purchase inputs from various industries but sell its products

Table 1.1

Economic Impacts Generated and Received, and Type I and Type II Impact Ratios for MarAd I-O Sectors 1967

Sector No.	Industry	Impacts Generated M_j	Impacts Generated M^*_j	Gross Output X_j	Impact Ratios Type I M_j/X_j	Impact Ratios Type II M^*_j/X_j	Final Demand Share of X_j D_j/X_j	Final Demand Share of X_j D^*_j/X_j
1.	LOVESTOCK AND PRODUCTS	5,286	985	30658	.1724	.0321	.0658	.0068
2.	OTHER AGRICULTUAL PROD.	13,744	12,902	28540	.4816	.4521	.2400	.1084
3.	FOREST AND FISH PRODUCTS	833	-600	4615	.1805	.1300	.0939	-.0327
4.	IRON ORES MINING	168	291	1744	.0963	.1715	.0471	.0471
5.	NONFERROUS ORES MINING	355	690	1640	.2165	.4207	.1056	.1056
6.	CRIDE PO: AMD MATIRA: GAS	582	1,242	15031	.0387	.0826	.0225	.0225
7.	OTHER MINING	1,545	3,143	6545	.2361	.4802	.1311	.1157
8.	CONSTRUCTION	184,159	418,077	103280	1.7831	4.0479	.8287	.8287
9.	ORDNANCE AND ACCESSORIES	20,054	43,615	10734	1.8683	4.0633	.9107	.8155
10.	FOOD PRODUCTS AND TABACCO	185,617	22,664	97391	1.9059	.2327	.728	.0485
11.	TEXTILE AND APPAREL	56,738	9,727	47483	1.1949	.2049	.4653	.0393
12.	LUMBER AND WOOD PRODUCTS	16,042	13,957	21392	.7499	.6524	.399	.1383
13.	PAPER AND PRODUCTS	6,564	6.087	22764	.2884	.2674	.1258	.0566
14.	PRINTING AND PUBLISHING	11,680	7,779	22118	.5281	.3517	.1258	.0706
15.	CHEMICALS AND PRODUCTS	10,190	18,198	23182	.4396	.7850	.1891	.4674
16.	OTHER CHEMICAL PRODUCTS	20,295	7,140	15496	1.3097	.4608	.5698	.0958
17.	PETROLEUM REFINING	30,026	11,220	26975	1.1131	.4159	.4771	.0992
18.	RUBBER AND PLASTICS	9,301	8,683	22233	.4183	.3905	.1848	.0819
19.	LEATHER AND PRODUCTS	8,674	510	5330	1.6274	.0957	.7057	.0192
20.	GLASS AND PRODUCTS	1,071	1,145	3801	.2818	.3012	.1507	.0672
21.	STONE AND CLAY PRODUCTS	1,210	1,601	11026	.1097	.1452	.0533	.0312
22.	PRIMARY IRON AND STEEL	2,985	6,256	31723	.0941	.1972	.0419	.0418
23.	PRIMARY NONFERROUS METALS	2,871	5,211	20870	.1376	.2497	.0536	.0529
24.	HTNG, PLMG, AND STRL. METAL	3,889	7,859	12510	.3109	.6282	.1305	.1252
25.	OTHER FABRICATED METALS	6,725	9,036	25167	.2621	.3590	.1202	.0746
26.	ENGINES AND TURBINES	4,206	11,315	3825	1.0996	2.9582	.458	.4202
27.	MACHINERY AND EQUIPMENT	45,614	101,347	39435	1.1567	2.5700	.5375	.5336
28.	OFFICE MACHINES	18,445	36,648	11961	1.5421	3.0640	.6579	.6148
29.	OTHER ELECTRICAL EQPT.	55,946	83,339	48085	1.1635	1.7332	.5372	.3591
30.	SHIPBUILDING AND REPAIR	4,425	10,616	2557	1.7305	4.1517	.8308	.8308
31.	OTHER TRANSPORT EQPT.	117,104	155,027	70987	1.6497	2.1839	.6745	.4357
32.	INSTRUMENTS	12,789	21,209	10970	1.1658	1.9334	.5660	.4173
33.	MISCELLANEOUS MFG.	12,444	5,898	9357	1.3299	.6303	.6083	.1362
34.	DEEPSEA FOREIGN	3,764	5,199	3190	1.1799	1.6298	.5576	.4618
35.	DEEPSEA DOMESTIC	813	463	1112	.7311	.4164	.3621	.0926
36.	GREAT LAKES TRANS.	90	115	266	.3383	.4323	.2000	.1130
37.	RIVER AND CANAL TRANS.	291	323	597	.4640	.5410	.2303	.1168
38.	LOCAL WATER TRANS.	40	14	259	.1544	.0540	.0773	.0131
39.	SERVICE TO WATER TRANS.	2,178	5,063	1736	1.3502	3.1492	.7024	.6788
40.	OTHER TRANS. AND STORAGE	29,219	27,816	46010	.6351	.6046	.5795	.3514
41.	COMMUNICATIONS	14,205	8,434	22512	.6310	.3746	.4486	.1004
42.	UTILITIES	31,841	8,433	37321	.8532	.2260	.4274	.0540
43.	WHOLESALE/RETAIL	183,403	44,691	163366	1.1227	.2736	.7395	.0701
44.	FINANCE INS. AND R.E.	157,751	15,020	161005	.9798	.0932	.6228	.0744
45.	SERVICES	153,254	47,818	150156	1.0206	.318	.5702	.0719
46.	GOVERNMENT ENTERPRISE	5,608	4,217	17337	.3235	.2432	.1773	.0534
47.	NONCOMPETITIVE IMPORTS	-3,826	-13,695	-----	-----	-----	-----	-----
48.	COMPETITIVE IMPORTS	-22,570	-22,570	-----	-----	-----	-----	-----
49.	DUMMY INDUSTRIES	-452	-7,631	15804	-.0028	-.4829	-.0096	-.0910
50.	MISCELLANEOUS INDUSTRIES	94,398	362,120	92635	1.0200	3.9091	1.0000	.9714
51.	INVENTORY WALUE ADJ.	-1,843	-1,843	-1843	1.0000	1.0000	1.0000	1.0000
	COLUMN SUM	1,519,762	1,528,039	1,520,868	1.0000	1.0000		
	U.S. Merchant Marine	5,019	7,348	4,231	1.2075	1.7807	.5654	.3970

(1) M_j = Impact Generated by j sector.

(2) M^*_j = Direct, Indirect and Induced impact generated by j sector

(3) X_j = Total Impact received by sector j. It is equal to gross output.

(4) M_j/X_j = Type I Impact ratio

(5) M^*_j/X_j = Type II Impact ratio

D_j = Final Demand of Open I/O model

D^*_j = Final Demand of I/O model closed with respect to household sector.

(6) D_j/X_j = Fraction of Gross Output Sold to Final Demand in Open I/O model

(7) D^*_j/X_j = Fraction or Gross Output Sold to Final Demand in closed model.

to a few other processing sectors.[12]

Conversely, the net impact importers were those industries whose products were sold to various industries but who purchased their inputs from very few other industries. These industries had a low percentage of its gross output shipped to final demand sectors as evidenced by small D_j/X_j ratios in Table 1-1.

Similar calculations and analysis can be made for an I-O table closed with respect to household sector. The difference is, however, that now the final demand (D_i^*) vector excludes household sector, and the per dollar impact coefficients (B_{ij}^*) include not only the direct and indirect impacts but also the induced impacts of consumer spending as a result of one dollar delivery to the final demand. Thus, the impact table M* is:

$$M^* = M_{ij}^* = B_{ij}^* \hat{D}_i^* \quad (i=j=1,\ldots,n)$$

From table M^*, the column sum $M^* = \sum_i B_{ij}^* \hat{D}_i^*$ and row sum $X_i^* = \sum_j B_{ij}^* \hat{D}_i^*$ can be derived.

It is important to observe that:

$$X_i = X_i^* \quad \text{or} \quad \sum_j B_{ij} \hat{D}_i = \sum_i B_{ij}^* \hat{D}_i^* .$$

In other words, the impact of the industries' final demands are the gross ouput of each industry, regardless of the analytical models used, be it an open or closed model. Of course, this should not be a surprising result. One cannot expect a different gross output for the same economy. Such were the case, either the open or the closed model would be wrong.

We notice, however, that the M_j and M_j^* are not the same. It follows that the impact ratios for closed and open models also differ from each other.

The comparison of impact ratios of open and closed models, m_j and m_j^*, indicates that they are closely related to the size of the final demand or the ratio of the final demand to the gross output of each industrial sector. In other words, there is a very positive correlation between the M_j/X_j and D_j/X_j ratios, and between M_j^*/X_j^* and D_j^*/X_j^* ratios.

When the I-O model was closed with respect to

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[12]For the explanation of triangulation of an I-O table, see: Wassily Leontif, "The Structure of Development," in Scientific American, September, 1963.

the household sector, the economic impacts and accordingly, the impact ratios increased for those industries whose final demand did not change too much. These were the industries with very little of their outputs shipped to household sectors. For example, in the shipbuilding sector, none of its final demand came from the household sector. Therefore, $D_i = D_i^*$ for this industry, and the impact ratio increased from 1.70 in open model to 4.06 in the closed model.

One may then question which economic impact, the open or closed model, is the correct or more accurate measurement of the "real" impact. In reality, the gross impacts from both models are the same because both yield the same gross outputs for all sectors in the economy. However, each method differs in the allocation of impacts among the industrial sectors. Both open and closed system may be considered correct to the extent they are based on different assumptions and impact definitions. However, if we are interested in measuring the consumer spending impact in addition to interindustry impact, the closed model is to be favored.[13]

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[13] William H. Miernyk, The Elements of Input-Output Analysis. New York: Random House, p.48. Miernyk notes:"The Type II multiplier is a more realistic measure which takes into account...".

1.9 Impact Study and Efficient Resource Allocation

In the input-output study, all economic impacts are expressed in gross terms. They do not measure the net impacts,or impacts net of opportunity costs of alternate allocation of resources used in particular industrial production.

The U.S. maritime industries, both shipping and shipbuilding, are subsidized sectors of our economy. The supporters of subsidies have argued that the public aids are needed for both national security and economic benefits. They argue that the shipbuilding technology is directly transferable to the navy ship building; in the event of national emergency or war, the private shipyards can shift its productions to the production of war ships and submarines. Likewise, the U.S. Merchant Marine will aid the nation in times of war.

On the economic front, the maritime industries will provide continued employment to a large number of workers who otherwise would not be able to find gainful employment. These industries will generate a secondary or indirect impact on the rest of industry in the form of purchases from other industries; generate additonal employment and tax revenues to the government; and contribute toward the U.S. balance of payments by conserving the U.S. dollars which otherwise could have been used to purchase foreign ships and

shipping services.

Accordingly, the supporters of the continued aids to the U.S. maritime industries maintain that the benefits really outweigh the cost of subsidies.

On the other hand, the critics of the maritime aids question these arguments. They point out that the subsidies to the shipbuilding and the U.S. merchant marine industries represent misallocation of national resources because it conflicts with the basic principle of comparative advantage and free trade...the greatest possible advantage for all from trade will be obtained if each nation specializes in what it can do in "greatest relative efficiency."[14]

In this study, the impacts are presented in gross terms ,and no attempt has been made to resolve the question of efficient resource allocation with respect to maritime aids.

The input-output model,however, is capable of being utilized to assess the net effects of alternate allocation of resources if we can express the best alternate allocation in terms of changes in final demand vector in the national economy. Unfortunately, so far , no valid way of redefining the final demand vector has been found. The future study, therefore, calls for a comparison of the economic effects of "with" and "without" subsidies. Once the "without subsidies" scenarios are written in terms of changes in final demand vector, the simulation of what would have taken place if no subsidies had not been given can be made.[15]

1.10 Summary-Conclusion

The purpose of the study has been to construct an input-output table of the U.S. economy showing the maritime industries as independent sectors, and to quantify the direct, indirect, and induced economic impacts of the U.S. merchant marine and shipbuilding industries from the input-output tables.

The open I-O model enabled us to measure the direct and indirect impacts, whereas it required the closing of the I-O model

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[14] Paul A. Samuelson, Economics, Ninth Edition. New York: McGraw-Hill Book Company,1973. p.673.

[15] In 1961, Leontief published a now classic application of input-output analysis to measure net impact of disarmament. See: W. Leontief and M. Hoffenberg,"The Economic Effects of Disarmament," Scientific American, Vol. 204, No.4, April, 1961, pp.47-55.

with respect to household sector to measure the induced impact arising from the rounds of consumer spending.

It is pointed out that the I-O model measures the impact of the final demand or changes in the final demand of an industry and not the impact of gross output. By definition, the gross output itself is the impact of the final demand.

Since the economic impacts are measured in gross terms, not in net terms, e.g., net of opportunity costs of alternate use of productive resources, the study is not intended to determine the efficiency in resource allocation with respect to maritime subsidies.

The input-output tables prepared for this study, however, provides valuable insights to the role of the U.S. merchant marine and shipbuilding industries in the national economy. It also provides basis for embarking on a number of future studies such as a net impact study of U.S. maritime aids, and forecasts of waterborne transportation requirements to serve the nation's domestic and foreign trades.

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Chapter 2

ECONOMIC IMPACT OF U.S.MERCHANT MARINE

2.1 Introduction

This chapter presents the economic impact of U.S. Merchant Marine as it is revealed by the input-output table of 1967.

For this study, the United States Merchant Marine is defined as all the U.S. - owned ship-operating firms which operate both in the foreign and domestic waters. In accordance with the I-O table classification of industries, the U.S. Merchant Marine is divided into five subsectors:

- Deepsea-foreign transportation
- Deepsea-domestic transportation
- Great-Lakes-St. Lawrence Seaway transportation
- Rivers and Canal transportation
- Local Water transportation

Under the provisions of the Merchant Marine Act of 1920, known as the Jones Act, all intercoastal and domestic traffic must move in U.S. constructed, owned, and operated vessels. These cabotage laws apply to all waterborne commerce moving between any points in the U.S. and/or its possessions.

On the other hand, in two sectors, Deepsea-foreign, and Great Lakes transportations, U.S. operators have to compete with foreign operators. Accordingly, the I-O data for these sectors include the values of shipments by the foreign operators, and they are excluded from the defition of the U.S. Merchant Marine used in this report.

In this chapter, the economic impact of the U.S. Merchant Marine as a whole is discussed. The MarAd I-O tables presented in the Appendix, however, show the similar data for all five subsectors of the U.S. Merchant Marine.

2.2 Characteristics of the Industry

In 1967, the total active privately-owned U.S. Ocean Merchant Marine was 939 vessels, consisting of 460 privately owned U.S. foreign trade shipping, 233 privately-owned U.S. domestic shipping, and 246 U.S. Agency Operations (privately owned).

The Merchant Marine Act of 1936 declared it to be the national policy "to foster the development and encourage the maintenance of a merchant marine sufficient to carry the domestic waterborne commerce and a substantial portion of the foreign commerce of the country in essential trades, capable of

serving as a naval and military auxiliary in time of war, owned and operated insofar as practicalbe by citizens of the United States."

In order to maintain a merchant fleet sufficient to serve the nation both in times of peace and war, the United States Government provides assistance to American ship operators in various forms. They are: Operating-Diffierential Subsidy (ODS), ship financing guarantees, various forms of tax deferrals for construction funds, and capital funds, and preference in the carriage of Government impelled cargoes.

The Maritime Administration is authorized to pay operating differential subsidy (ODS) to U.S. shipping companies to offset the higher cost of operating a vessel in foreign trade under the American flag, compared to operating costs under a foreign flag.

In 1967, the ODS amounted to $220.7 million or 5.2 percent of the total output of the U.S. Merchant Marine. In terms of Deepsea-foreign transportation, the subsidies represented 11.1 percent of the total receipt of American vessels engaged in foreign trade transportation.

2.3 Gross Output of U.S.Merchant Marine

The water transportation requirement of the U.S. economy in 1967 was $5,423.9 million. 44.1 percent of the demand for services, or $2,373.0 million came from the final demand sectors, and $3,050.9 million (56 percent) came from processing sectors.

As shown in Table 2-1, of the total transportation requirements, $4,230.0, or 78 percent, were satisfied by the U.S. Merchant Marine and the balance of $1,193.0 million (22 percent) were supplied by foreign vessels.

Table 2-1 Share of United States and Foreign Operators to Meet U.S. Shipping Requirements,1967 (In $ Million)

	Total Req.	U.S. Share	Foreign Share
Deepsea-foreign	$3,190.3	1,997.3	1,193.0
Deepsea-domestic	1,111.0	1,111.9	0
Great Lakes & St. Lawrence Seaway	265.5	265.5	*
Rivers and Canals	597.4	597.4	0
Local Water Transport	258.8	258.8	0
Total	5,423.9	4,230.9	1,193.0

Source: MarAd Input-Output Table of U.S. Economy, 1967

Since foreign-flag ships are not allowed to operate in the domestic waters, and intercoastal and inland waterways, these needs were met totally by U.S. vessels. In the foreign trade shipping, the American fleet was not doing very well. Out of$3,190.3 million (62.6 percent) was rendered by U.S.-owned vessels, and the remaining $1,193.0 million (37.4 percent) by foreign vessels. To a large extent, even these shipments were secured with the protection of cargo

preference statutes, and the U.S. vessels carried such goods as foreign aids, military shipments, and other government originated shipments. In terms of foreign trade originated from private sector, in 1967, the U.S. Merchant Marine carried only 7 percent of trade volume in spite of some ODS subsidies.

2.4 Transportation Margins

Before discussing the impact of the U.S. Merchant Marine, we should keep in mind that the transportation rows in the BEA-based MarAd I-O table are input markup margins.

The transportation rows in the input markup margin show the transportation charges for all materials purchased by an industry. They are estimated by calculating the difference between the producers' value and the purchasers' value of a product which results from transporting the product.

The input markup margin treatment of the transportation rows can be contrasted to product-hauled margins. The transportation rows may be expressed in product-hauled margins which represent the transportation charges for each output moved, regardless of purchaser. (See Appendix H)

Therefore, the input markup margins tell the purchasing industry how much it costs to bring the inputs purchased. In contrast, the product-hauled margins tell the producing or supplying industries how much it cost to ship out the products they produced.

The BEA-based MarAd I-O tables are shown in input markup margins whereas INFORUM-based MarAd I-O tables are shown in product-hauled margins.

2.5 Economic Roles of an Industry

An industry plays two essential roles in an economy. It sells its outputs to other industries as intermediate goods (intermediate sales) and also to final users for no further processing (final demand sales). The sales actually represent the impact of purchasing industries on the supplying industries. Foreign products and services may be substitutable for domestic products. However, to the extent the domestic products and services might be considered as "unique", sales of these products might be considered as valuable contribution to the national economy or to the national security. Through history, the national policy makers considered the U.S. Merchant Marine and shipbuilding industries to have those aspects of services which cannot be provided by foreign industries, even if imported goods may be cheaper than the domestic good.

In contrast to sales, purchases of an industry clearly constitute those effects which are placed by purchasing industries on supplying industries. Any industry, in the process of production, must acquire inputs from

Table 2-2

Sales of Shipping Services By the U.S. Merchant Marine, Shown In Terms of Both Input Markup Margins and Product Hauled Margins, 1967

Sector No.	Industry	Input Markup Margins	% of Total	Product Hauled Margins	% of Total
1.	Livestock and Products	29.3	.69	.3	.01
2.	Other Agricultural Prod.	44.5	1.05	96.3	2.38
3.	Forest and Fish Products	1.9	.04	29.3	.72
4.	Iron Ores Mining	3.2	.08	128.0	3.16
5.	Nonferrous Ores Mining	.3	*	7.0	.17
6.	Crude Oil and Natural Gas	4.0	.09	298.1	7.36
7.	Other Mining	4.3	.10	232.8	5.75
8.	Construction	91.9	2.17	-	-
9.	Ordnance and Accessories	2.3	.05	.3	.01
10.	Food Products and Tobacco	152.0	3.59	83.2	2.06
11.	Textile and Apparel	14.2	.34	3.7	.09
12.	Lumber and Wood Products	26.2	.62	56.8	1.40
13.	Paper and Products	33.3	.78	14.4	.36
14.	Printing and Publishing	2.8	.07	.7	.02
15.	Chemicals and Products	57.6	1.36	82.7	2.04
16.	Other Chemical Products	13.2	.31	6.9	.17
17.	Petroleum Refining	344.6	8.14	627.0	15.49
18.	Rubber and Plastics	34.0	.80	13.5	.33
19.	Leather and Products	2.2	.05	3.8	.09
20.	Glass and Products	1.9	.04	5.3	.13
21.	Stone and Clay Products	37.8	.89	18.6	.46
22.	Primary Iron and Steel	174.9	4.13	47.8	1.18
23.	Primary Nonferrous Metals	14.0	.33	1.9	.05
24.	Htng, Plmg, and Strl. Metals	4.6	.11	2.6	.06
25.	Other Fabricated Metals	9.1	.22	7.5	.19
26.	Engines and Turbines	.8	.02	.4	.01
27.	Machinery and Equipment	7.0	.17	4.8	.12
28.	Office Machines	.5	.01	.7	.02
29.	Other Electrical Eqpt.	7.7	.18	-	.15
30.	Shipbuilding and Repair	.3	*	-	-
31.	Other Transport Eqpt.	14.6	.33	10.5	.26
32.	Instruments	1.5	.04	.1	-
33.	Miscellaneous Mfg.	2.0	.05	8.4	.21
34.	Deepsea Foreign	82.0	1.94	79.5	1.96
35.	Deepsea Domestic	114.8	2.71	114.1	2.82
36.	Great Lakes Trans.	.4	*	.2	.01
37.	River and Canal Trans.	148.0	3.50	147.7	3.65
38.	Local Water Trans.	.2	*	-	-
39.	Service to Water Trans.	1.2	.03	-	-
40.	Other Trans. and Stroage	52.5	1.24	-	-
41.	Communication	2.1	.05	-	-
42.	Utilities	53.1	1.26	-	-
43.	Wholesale/Retail	40.0	.95	-	-
44.	Finance Ins. and R.E.	53.9	1.27	-	-
45.	Services	37.0	.87	-	-
46.	Government Enterprise	97.3	2.30	15.4	.38
47.	Noncompetitive Imports	-	-	-	-
48.	Competitive Imports	-	-	3.4	.08
49.	Dummy Industries	37.0	.87	-	-
50.	Miscellaneous Industries	-	-	-	-
52.	Household Sector	712.7	16.85	69.7	1.72
53.	Capital Formation	22.5	.53	-	-
54.	Inventory Change	19.9	.47	-	-
55.	Exports	902.1	21.32	809.6	20.00
56.	Fed. Gov. Defense	691.6	16.34	651.0	16.08
57.	Fed. Gov. Non-Defense	5.5	.13	.1	-
58.	State Local Gov.	18.7	.44	6.6	.16
	TOTAL INTERMEDIATE SALES	1857.9	43.9	2159.8	53.35
	TOTAL FINAL SALES	2373.0	56.09	1536.8*	37.96*
	TOTAL OUTPUT	4230.9	100.0	4056.6	100.00

Sources: Table A-1 of MarAd I-O Table; and INFORUM-based I-O Table 1. (See Appendix)

other industries and also the services of labor, capital and other value added components. An increment of the output of an industry then means the expansion of outputs of all other industries, and ultimately generates employment, incomes, taxes and profits to the economy as a whole. The size of the total impact is magnified by the multiplier effect resulting from indirect as well as induced impacts of an increment in final demand.

2.6 Sales by U.S. Merchant Marine

Of the total gross output of $4,230.9 million in 1967, the United States Merchant Marine industry sold $2,373.0 million (56.1 percent) worth of services to final demand sectors, and the remaining $1,857.9 million (43.9 percent) to processing sectors as intermediate sales.

Table 2-2 shows the major sales made by the U.S. Merchant Marine in 1967. From this table the following observations can be made:

Final Demand Sales

The largest final demand sales went to the export sector which purchased $902.1 million worth of shipping services from the domestic fleet. This constituted about 21.3 percent of the total revenues of domestic shipping companies.

Next, the household sector purchased $712.7 million (16.8 percent) services from the American fleet in order to import consumer goods such as foreign cars, televisions, etc. from foreign countries.

Federal Government purchased $697.1 (16.5 percent) million of transportation services from the domestic fleet. Most of these services were for the shipment of military goods.

Intermediate Sales

Water transportation constitutes essential inputs to many of the nation's industrial sectors. The value of shipping services to these industries can be measured in two ways: input markup margins and product-hauled margins. The former expresses the value of shipping to bring the inputs to producing sectors, while the latter indicates the value of shipping in terms of how much it costs to ship out the products. (See Appendix H for full explanation of difference between the two.)

The BEA-based MarAd I-O tables show transportation costs in terms of input markup margins, and the INFORUM-based MarAd I-O tables in product-hauled margins. Table 2-2 show both margins for comparison, and the following observations are made.

The major industries which purchased the shipping services to bring inputs to their production points are: Petroleum Refining ($345 million); Primary Iron & Steel ($175 million); Food Products & Tobacco ($152 million); Deepsea-Domestic Transportation ($115 million); Deepsea-foreign Transportation ($82 million); and Construction ($92 million).

2.7 Impact Coefficients Table

Table 2-3 summarizes all the impact coefficients relevant to the United States Merchant Marine taken from the full input-output tables attached in the Appendix of this report. In this table, there are eighteen columns or six sets of three columns. Three columns of each set alternately present direct coefficients, direct & indirect coefficients, and direct plus indirect plus induced impact coefficients.

The first set of three columns presents the output impact or dollar amount of output demand placed on the i sectors (listed on the left of the table) by the United States Merchant Marine per dollar of its final demand.

The second set of the columns lists the employment impact coefficients indicating the number of jobs generated by the U.S.M.M. for delivery of every million dollars of its final demand.

The third, fourth, and fifth sets of three columns represent employee compensation or wages and salaries impact coefficients, indirect business tax coefficients, and property-type income coefficients, respectively. These are the three components of value-added in the input-output table.

Lastly, the sixth set of three columns present the sum of the three value-added components shown in the 3rd, 4th, and fifth sets. They are the GNP-impact coefficients which quantify the contributions to the GNP attributable to U.S. Merchant Marine.

In order to find the total impact, all we have to do is to multiply the relevant final demand or changes in final demand of the U.S. Merchant Marine to these coefficients. A total impact table can thus be constructed by multiplying $2,373.0 million (Open-Model final demand) to the Direct, and Direct plus Indirect coefficients. However, the closed-model final demand of the U.S.M.M. was $1,660.3 million, exclusive of household sector. Thus, this amount is multiplied to all Direct plus Indirect plus Induced coefficients (cols. 3, 6, 9, 12, 15, and 18).

The per dollar final demand coefficients table (Table 2-3) and total impact tables (not reproduced in this report) are used for the subsequent analysis.

Table 2.3 Impact Coefficients Per Dollar* of Delivery to Final Demand by the United States Merchant Marine, 1967 (*Per $million for employment)

		Output Impact			Employment Impact			Employee Compensation Impact			Indirect Business Taxes			Business Profits Impact			GNP Impact		
		D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII
1	LIVESTOCK AND PRODUCTS	-----	.0030	.0720	-----	.1675	4.0836	-----	.0001	.0028	-----	.0001	.0018	-----	.0006	.0144	-----	.0008	.0190
2	OTHER AGRICULTURAL PROD.	-----	.0039	.0610	-----	.2876	4.5405	-----	.0003	.0046	-----	.0001	.0020	-----	.0015	.0232	-----	.0019	.0298
3	FOREST AND FISH PRODUCTS	-----	.0008	.0097	-----	.0552	.6677	-----	.0001	.0017	-----	-----	.0002	-----	.0003	.0030	-----	.0004	.0049
4	IRON ORES MINING	-----	.0020	.0032	-----	.0286	.0467	-----	.0003	.0005	-----	.0001	.0001	-----	.0002	.0004	-----	.0006	.0009
5	NONFERROUS ORES MINING	-----	.0018	.0029	-----	.0597	.0951	-----	.0005	.0008	-----	.0001	.0001	-----	.0001	.0002	-----	.0007	.0011
6	CRUDE OIL AND NATURAL GAS	-----	.0203	.0461	-----	.3724	.8435	-----	.0012	.0027	-----	.0010	.0022	-----	.0095	.0214	-----	.0116	.0263
7	OTHER MINING	.0005	.0038	.0103	.0187	.1505	.4082	.0002	.0013	.0034	-----	.0001	.0002	.0001	.0009	.0023	.0003	.0022	.0059
8	CONSTRUCTION	.0109	.0263	.0598	.4195	1.0132	2.3091	.0039	.0094	.0214	.0001	.0001	.0003	.0009	.0021	.0047	.0048	.0116	.0264
9	ORDNANCE AND ACCESSORIES	-----	.0006	.0024	-----	.0164	.0695	-----	.0002	.0009	-----	-----	-----	-----	-----	.0002	-----	.0003	.0011
10	FOOD PRODUCTS AND TOBACCO	.0006	.0071	.2297	.0123	.1362	4.4179	.0001	.0010	.0325	-----	.0005	.0155	-----	.0005	.0177	.0002	.0020	.0657
11	TEXTILE AND APPAREL	.0090	.0219	.1226	.4445	1.0884	6.0820	.0022	.0055	.0307	-----	.0001	.0006	.0007	.0016	.0091	.0030	.0072	.0404
12	LUMBER AND WOOD PRODUCTS	-----	.0045	.0273	-----	.2210	1.3450	-----	.0012	.0075	-----	-----	.0002	-----	.0005	.0033	-----	.0018	.0110
13	PAPER AND PRODUCTS	.0019	.0106	.0490	.0557	.3142	1.4615	.0005	.0025	.0119	-----	.0001	.0005	.0002	.0012	.0058	.0007	.0039	.0181
14	PRINTING AND PUBLISHING	.0003	.0084	.0500	.0123	.3963	2.3701	.0001	.0031	.0186	-----	.0001	.0004	-----	.0010	.0060	.0001	.0042	.0249
15	CHEMICALS AND PRODUCTS	-----	.0092	.0398	-----	.1868	.7991	-----	.0017	.0073	-----	.0001	.0004	-----	.0016	.0069	-----	.0034	.0146
16	OTHER CHEMICAL PRODUCTS	.0052	.0093	.0370	.1051	.1881	.7508	.0010	.0019	.0074	-----	.0001	.0003	.0009	.0015	.0061	.0019	.0035	.0138
17	PETROLEUM REFINING	.0275	.0430	.0891	.1872	.2931	.6054	.0023	.0036	.0075	.0031	.0049	.0101	.0016	.0025	.0052	.0070	.0110	.0228
18	RUBBER AND PLASTICS	.0021	.0103	.0438	.0680	.3302	1.4221	.0006	.0028	.0118	.0001	.0003	.0013	.0002	.0011	.0049	.0009	.0042	.0179
19	LEATHER AND PRODUCTS	-----	.0003	.0129	-----	.0234	.8485	-----	.0001	.0041	-----	-----	.0001	-----	-----	.0010	-----	.0001	.0052
20	GLASS AND PRODUCTS	.0025	.0041	.0098	.1136	.1872	.4449	.0009	.0015	.0036	-----	-----	.0001	.0004	.0007	.0017	.0014	.0023	.0054
21	STONE AND CLAY PRODUCTS	.0004	.0043	.0106	.0170	.1831	.4491	.0001	.0013	.0033	-----	.0001	.0001	.0001	.0006	.0015	.0002	.0020	.0048
22	PRIMARY IRON AND STEEL	.0095	.0383	.0613	.2751	1.1072	1.7701	.0027	.0111	.0177	.0001	.0004	.0007	.0009	.0035	.0055	.0037	.0150	.0240
23	PRIMARY NONFERROUS METALS	.0089	.0284	.0430	.1731	.5521	.8351	.0015	.0047	.0071	.0001	.0002	.0003	.0009	.0029	.0043	.0024	.0078	.0118
24	HTNG, PLMG, AND STRL. METAL	-----	.0060	.0106	-----	.2330	.4094	-----	.0017	.0029	-----	-----	.0001	-----	.0005	.0009	-----	.0022	.0040
25	OTHER FABRICATED METALS	.0217	.0361	.0646	.7602	1.2614	2.2570	.0064	.0107	.0191	.0002	.0003	.0005	.0029	.0047	.0085	.0094	.0157	.0280
26	ENGINES AND TURBINES	.0013	.0053	.0072	.0355	.1448	.1965	.0003	.0014	.0019	-----	-----	.0001	.0001	.0005	.0006	.0007	.0019	.0026
27	MACHINERY AND EQUIPMENT	.0078	.0236	.0399	.2943	.8978	1.5140	.0026	.0079	.0133	.0001	.0002	.0003	.0008	.0025	.0042	.0035	.0106	.0178
28	OFFICE MACHINES	-----	.0012	.0059	-----	.0358	.1810	-----	.0003	.0016	-----	-----	-----	-----	.0001	.0006	-----	.0004	.0022
29	OTHER ELECTRICAL EQPT.	.0015	.0096	.0496	.0618	.3878	2.0195	.0005	.0032	.0168	-----	.0001	.0003	.0001	.0009	.0047	.0007	.0042	.0218
30	SHIPBUILDING AND REPAIR	.0417	.0501	.0504	2.2811	2.7424	2.7613	.0182	.0218	.0220	.0004	.0005	.0005	.0025	.0030	.0031	.0211	.0254	.0255
31	OTHER TRANSPORT EQPT.	.0031	.0104	.0752	.0791	.2655	1.9167	.0008	.0027	.0195	.0001	.0004	.0024	.0002	.0006	.0040	.0011	.0036	.0259
32	INSTRUMENTS	.0047	.0081	.0180	.1931	.3300	.7380	.0015	.0025	.0055	-----	.0001	.0001	.0008	.0014	.0031	.0023	.0039	.0087
33	MISCELLANEOUS MFG.	.0010	.0030	.0203	.0476	.1376	.9290	.0003	.0009	.0059	-----	-----	.0001	.0001	.0003	.0021	.0004	.0012	.0082
61	U.S. MERCHANT MARINE	.0816	1.0905	1.0949	2.5111	33.4402	33.5385	.0192	.2561	.2572	.0020	.0267	.0268	.0101	.1348	.1352	.0313	.4175	.4193
62	FOREIGN SHIPS	-----	.0009	.0025	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
39	SERVICE TO WATER TRANS.	.1181	.1303	.1307	7.7010	8.4798	8.5212	.0462	.0509	.0512	.0042	.0047	.0047	.0157	.0173	.0174	.0662	.0729	.0733
40	OTHER TRANS. AND STORAGE	.0537	.0850	.1549	3.2101	5.0624	9.2552	.0225	.0355	.0648	.0019	.0030	.0056	.0088	.0138	.0253	.0331	.0523	.0956
41	COMMUNICATIONS	.0065	.0139	.0564	.2805	.5976	2.3851	.0022	.0047	.0186	.0007	.0015	.0061	.0022	.0047	.0186	.0051	.0109	.0433
42	UTILITIES	.0037	.0178	.0893	.0644	.3058	1.5361	.0005	.0023	.0117	.0002	.0010	.0051	.0011	.0051	.0256	.0018	.0084	.0424
43	WHOLESALE/RETAIL	.0153	.0387	.3704	1.5159	3.8221	36.6198	.0084	.0213	.2036	.0021	.0054	.0519	.0024	.0060	.0580	.0129	.0329	.3135
44	FINANCE INS. AND R.E.	.0380	.0772	.4296	.7617	1.5458	8.6045	.0050	.0102	.0570	.0048	.0199	.0538	.0129	.0333	.1853	.0262	.0053	.2961
45	SERVICES	.0307	.0675	.3621	2.0617	4.5167	24.3562	.0109	.0239	.1286	.0004	.0009	.0045	.0068	.0150	.0804	.0181	.0398	.2135
46	GOVERNMENT ENTERPRISE	.0051	.0312	.0635	.2510	1.5354	3.1198	.0023	.0142	.0288	-----	.0001	.0002	.0006	.0035	.0071	.0029	.0178	.0361
47	NONCOMPETITIVE IMPORTS	.0935	.1133	.1445	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48	COMPETITIVE IMPORTS	.0034	.0180	.0435	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
49	DUMMY INDUSTRIES	.0058	.0159	.0432	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50	MISCELLANEOUS INDUSTRIES	-----	-----	.0066	-----	-----	-----	-----	-----	.0062	-----	-----	-----	-----	-----	.0003	-----	-----	.0065
	EMPLOYEE COMPENSATION	.2349	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	INDIRECT BUSIN. TAX	.0244	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	PROPERTY-TYPE INCOME	.1236	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	IMPACT PER DOLLAR OF F.D.*	1.0000	1.9826	4.2352	30.6327	73.0833	177.5292	.2349	.5275	1.1458	.0207	.0628	.2003	.1236	.2825	.7338	.3829	.8727	2.0799
	MULTIPLIER (DOMESTIC)	-----	1.9826	4.2352	-----	2.3859	5.7956	-----	2.2466	4.8785	-----	2.5676	8.1954	-----	2.2853	5.9360	-----	2.2792	5.4316
	OPEN MODEL IMPACT	$2373.0	4704.8	-----	72,689	173,426	-----	557.3	1251.7	-----	58.0	148.9	-----	298.3	670.3	-----	908.7	2071.1	-----
	CLOSED MODEL IMPACT	$1660.3	-----	7131.8	50,858	-----	294,752	389.9	-----	1902.1	40.6	-----	332.7	205.2	-----	1218.1	635.8	-----	3453.4

D=Direct Impact; DI=Direct and Indirect Impact; DII=Direct, Indirect, and Induced Impact

2.8 Output Impact of the U.S. Merchant Marine

Direct Output Impact

In 1967, the final demand including the household sector (D_i) was $2,373.0 million. This was therefore the direct impact of the U.S. Merchant Marine under open I-O model. Excluding the household sector from final demand, the autonomous sector (D_I^*) was $1,660.3 million for the closed I-O model.

Direct and Indirect Impact

For every dollar of direct demand for U.S.M.M. services, $1.98 worth of direct and indirect output from all industries were required. In other words, the type-I output multiplier was 1.98, therefore, the total output impact on the economy was $4,704.8 million, including $2,373.0 million direct demand for the U.S.M.M. and $2,331.8 million worth of outputs indirectly demanded of other industries.

The sector-by-sector output impact of the U.S.M.M. is shown in Table 2-4. From this table, we can observe that the largest direct and indirect impact, excluding the U.S.M.M. itself, was on port activities (sector 39) placing 13¢ demand on it for every dollar of the U.S.M.M.'s final demand. It is then followed by: Noncompetitive Imports (11.4¢) for services received in foreign ports; Other Transportations and Storage (8.5¢); Finance, Insurance and Real Estate (7.9¢); Service (6.8¢); Shipbuilding and Repair (5.0¢); Petroleum Refining (4.3¢); Wholesale-Retail (3.9¢); Primary Iron and Steel (3.8¢); Other Fabricated Metals (3.6¢).

Table 2-4 Selected Industries Directly and Indirectly Impacted by United States Merchant Marine, 1967 (Listed in the Order of Impacts)

Sector No.	Industry Affected	Output Impact Per Dollar	Output Impact Total ($Million)
61	U.S. Merchant Marine	109.0 ¢	2,587.6
39	Ser. to Water Trans. (U.S. Ports)	13.0 ¢	308.6
47	Noncom. Imports (Foreign Ports)	11.3 ¢	268.9
40	Other Trans. and Stor.	8.5 ¢	201.0
44	Finance Ins. & R.E.	7.8 ¢	183.1
46	Services	6.8 ¢	160.1
30	Shipbldg.& Repair	5.0 ¢	118.9
17	Petro. Refining	4.3 ¢	102.2
43	Wholesale Retail	3.9 ¢	91.7
22	Primary Iron & Steel	3.8 ¢	90.9

Source: Calculated based on Table 2-3.

Direct, Indirect and Induced Output Impact.

The inclusion of induced consumption impact inflates the size of the multiplier to as high as 4.24. On the other hand, the size of the autonomous sector (D_i^*) or the final demand of closed model shrinks to a smaller size due to the exclusion of household sector. D_i^* was thus $1,660.3 million. The net effect is, however, a considerable expansion of the magnitude of the output impact on industries: $7,031.8 million or over $7 billion output throughout the the national economy had been generated by the U.S. Merchant Marine.

The sector-by-sector comparison of table 2-4 and 2-5 indicates that the per dollar impact coefficients certainly expanded for all sectors by the inclusion of the induced impact in addition to the direct and indirect impacts. Nonetheless, not all the total output impacts expanded. In fact, for certain sectors, the Type II output impact is smaller than the Type I impact.

For example, Merchant Marines total impact declined from $2,587.6 million to $1,817.9 million. The reduction is due to larger shrinkage of final demand of U.S.M.M. compared to relatively smaller or no reduction in final demands for other sectors. For the latter industries, total impact considerably increased.

Table 2-5 Selected Industries Receiving Direct, Indirect, and Induced Output Impacts from the United States Merchant Marine, 1967

Sector No.	Industry Affected	Output Impact Per Dollar	Output Impact Total ($ Million)
59	Merchant Marine	109.5¢	1,839.2
44	Finance, Ins. R.E.	43.3	727.2
45	Services	36.4	610.7
43	Wholesale & Retail	37.2	624.5
10	Food Products	23.1	387.4
40	Other Transport.	15.6	261.7
47	Noncom. Imports	14.5	243.4
39	Ser. to Water Trans.	13.1	219.9
11	Textile and Apparel	12.3	206.6
42	Utilities	9.0	150.5
17	Petroleum Refin.	8.9	150.2
31	Other Trans. Eqpt.	7.6	126.9
1	Livestock & Products	7.2	121.5
25	Other Fab. Materials	6.5	108.8
46	Gov't Enterprise	6.4	107.0

* Note the household sector is now considered as an industry. Therefore the personal income of household sector is included in $10 billion. Exclusion of personal income reduces this figure to $7.2 billion.

2.9 Employment Impact

The total employment of the U.S. Merchant Marine, in 1967, was 129,600. This number was a result of meeting both the direct demand which was created by its own final demand, and the intermediate services sold to other industries.

Just as the U.S.M.M.'s employment level is affected by production needs of other industries, the U.S. shipping industry generates jobs for other industries. The magnitude of this employment impact can be quantified by multiplying relevant final demand of U.S.M.M. with the employment impact coefficients shown on Table 2.4 (columns, 4.5 and 6).

Direct Employment Impact

On the average, the U.S.M.M. industry employed 30.6 workers per every $1 million worth of shipping services. In order to produce outputs of $1,660.3 million delivered to final demand, the U.S.M.M. directly employed 50,858 jobs (closed model). Similarly, on the basis of open model, the direct employment impact was 72,689 jobs, for the size of $2,373.0 million final demand.

Direct and Indirect Impact

For every million dollar's worth of final demand, the U.S. Merchant Marine generated directly and indirectly 73.21 jobs throughout the economy. Given the final demand (D_i) of $2,373.0 million in 1967, the direct and indirect employment impact was 173,426 The employment multiplier was therefore 2.39, indicating that for every direct employment created by the final demand, 2.39 jobs were created to satisfy both the direct and indirect requirements of production.

The major employment impact was felt among the industries which were directly related to shipping. Namely, U.S. ports, Service Industry, Other Transportation Industry, Wholesale-Retail and Shipbuilding Industry.

Note that the American shipping industry had a sizable output impact on the foreign ports. (See Section 2.8) And yet, as it is expected, there was no employment generation in the United States.

Direct, Indirect and Induced Employment Impact

When the ripple effects of personal consumption expenditures were considered, the creation of as much as 294,752 jobs was attributable to the American shipping industry. This meant that on the average 177.7 jobs were created throughout the economy per million dollars worth of shipping services to the final demand exclusive of household sector.*

As Table 2.7 shows the largest employment impact was evident in Wholesale and Retail sector. It is followed by the U.S. Merchant

*Type II employment multiplier=5.80

Marine, Services, Other Transportation and Storage, Finance, Insurance and Real Estate, ... mostly consumer-oriented industries.

Table 2-6 Selected Industries whose Employment is Directly and Indirectly Affected by the U.S. Merchant Marine, 1967
(Final Demand=$2,392.3 Million)

Sector No.	Industry Affected	Impact Jobs Per $Mill.	Impact Jobs Total
61	U.S.M.M.	33.48	79,263
39	Ser. to Water Trans. (U.S. Ports)	8.50	20,123
40	Other Trans. & Storage	5.08	12,013
45	Services	4.56	10,766
43	Wholesale/Retail	3.84	9,070
30	Shipbldg./Repair	2.75	6,508
44	Finance Ins./R.E.	1.59	3,668
46	Gov't.Enterprise	1.54	3,643
25	Other Fabric. Metals	1.26	2,993
22	Prim. Iron & Steel	1.11	2,627
11	Textile/Apparel	1.09	2,583
8	Construction	1.02	2,404
27	Machinery/Equip.	.90	2,131
41	Communications	.60	1,418
23	Primary Nonferrous Met.	.55	1,310
	Total Direct & Indirect Impact	73.21	173,426

Table 2-7 Direct, Indirect, and Induced Employment Generated by the U.S. Merchant Marine Among the Selected Industries, 1967

Sector No.	Industry	Impact Per $Million	Impact Total Person-yrs.
43	Wholesale/Retail	36.76	60,800
61	U.S. Merchant Marine	33.61	55,684
45	Services	24.45	40,439
40	Other Trans. & Storage	9.31	15,366
44	Finance Ins./R.E.	8.67	14,286
39	Ser. to Water Trans.	8.54	14,148
11	Textile/Apparel	6.10	10,098
2	Other Agricult. Prod.	4.56	7,539
10	Food Products/Tobacco	4.44	7,355
1	Livestock/Products	4.10	6,780
46	Gov't. Enterprise	3.13	5,180
30	Shipbuilding/Repair	2.77	4,585
41	Communications	2.39	3,960
14	Printing/Publishing	2.38	3,935
8	Construction	2.32	3,834
	Total Direct, Indirect & Induced Employment Impact	177.70	294,752

2.10 Other Economic Impacts

GNP Contributers

Application of the GNP multipliers (2.28 for Type I, and 5.43 for Type II) showed that the GNP contribution was $2.071.1 million for direct and indirect effect and $3.453.4 million including the induced effect.

The impacts on the three components of value-added sector, Employee Compensation, Indirect Business Taxes, and Property-type Income can be also calculated.

Just to cite the overall impact (Type II);

- .$1,902.1 million of wages and salaries were generated throughout the economy,
- .$332.7 million of indirect business taxes were paid, and
- .$1,218.1 million of business income was generated in the form of profits, rents, and interests.

2.10 Impact Ratios

All industries affect other industries and at the same time are affected by others.

The U.S. Merchant Marine generated various economic impacts as we discussed so far, but it also received impacts from other industries.

The ratio of the impact generated to the impact received by an industry can be obtained from the input-output analysis.

Since the total impact received by an industry equals its gross output, the impact ratio is simply the impact generated to the gross output.

Similar to the multiplier analysis, Type I and Type II input ratios can be calculated. The former includes only the direct and indirect impact, of the latter also the induced impact.

The impact ratio is greater than 1 for the industries which are net exporter of impact. Conversely the ratio is less than 1 for the industries which generates less impact than it receives.

The U.S. Merchant Marine's Type I and Type II output impact ratios were 1.11 and 1.66 respectively. The industry was therefore a net exporter of impacts. The ratios for employment and GNP can be found in Table 2.3 as well as in the SUMMARY TABLE A on page viii.

Chapter 3

ECONOMIC IMPACT OF SHIPBUILDING INDUSTRY

3.1 Characteristics of U.S. Shipbuilding Industry

The United States shipbuilding industry consists of over 400 establishments primarily engaged in building and repairing all types of ships, barges, and lighters, whether propelled by sail or motor power or towed by other craft. This industry also includes the conversion and alteration of ships. Naval shipyards are excluded from this industry, and they are included in Government Industry sector. The Boat Building and Repair industry is also excluded.

The United States has four shipbuilding regions:the Atlantic Coast, Gulf Coast, Pacific Coast and Great Lakes.*All four have capabilities to construct commercial and military ships. The Atlantic Coast has the largest percentage of total employment, followed closely by the Gulf Coast,with the Pacific Coast third, and the Great Lakes the smallest.

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* The Great Lakes including inland waterways.

The U.S. shipbuilding industry is very small in the world commercial shipbuilding industry. From 1967 to 1971, the United States produced only 1.55 percent of the tonnage and 1.63 percent of the vessels constructed around the world. Japan has been the leader and since the mid-1960s, the industry has been dominated by Japan, which built approximately 50 percent of the tonnage and 37 percent of the vessels in the world. The remaining half of production have been shared by other western European nations such as Sweden, West Germany, Great Britain, Norway, and France.

A significant reason for this situation has been Japan's advantage of relatively cheap labor and the cost of ship materials such as steel. Conversely, major disadvantages of U.S. shipyards include higher costs of labor, lower productivity and lack of series production orders for standard vessels when compared to Japanese shipbuilders.

3.2 Major Shipbuilding Activities

The United States shipbuilding industry builds and repairs both commercial and military ships.

The Navy has been the largest customers of the industry. As a result, American yards have greater capability to build the most sophisticated ships in the world than for the mass production of less complex merchant vessels.

Virtually all the merchant tonnage is built for domestic customers under a subsidy program or under the protection of the Merchant Marine Act of 1920, the Jones Act, which specifies that all intercoastal traffic must move in U.S.-built vessels.

3.3 Subsidies

In order to meet the essential shipbuilding requirements of the United States, a number of subsidy programs have been enacted through the years.

The major elements of Government assistance are the Construction-Differential Subsidies (CDS), financing guarantees under Title XI of the Merchant Marine Act of 1936 as amended in 1972, tax defermants for capital construction funds, investment tax credits, and accelerated depreciation. In 1967, CDS amounted to $81.1 million or 3.32 percent of the total output of U.S.ship-building industry.*

Of these, CDS is the major subsidy program. To equalize the disparity between U.S. and foreign shipbuilding prices, the U.S. Maritime Administration is authorized to pay a construction differential subsidy. To be eligible for CDS, a vessel must be built in the United States, owned by an American citizen, crewed by American citizens, and operated under the U.S.-flag in the nation's essential commerce.

*The size of CDS has gradually increased through the years, and in 1976 it amounted to $201.8 million

3.4 Total Output and Employment of U.S. Shipbuilding Industry, 1967-1972

As shown in the table below, the total value of the output and employment of the United States shipbuilding industry did not significantly change between 1967 and 1972. Accordingly, although the economic impact presented in this section is based on the 1967 data, general conclusions are likely to be valid even in the subsequent years.

Table 3.1 Shipbuilding and repair: 1967-72
(millions of dollars, except as noted)

	1967	1970	1972(1)
Industry:(2)			
Value of work done	2,518	2,531	2,855
Total employment (thousand)	138.8	130.2	132.7
Production workers (thousand)	114.2	106.3	105.9
Value added	1,430	1,573	---
Product:(3)			
Value of work done, total	2,358	2,457	2,765
Nonpropelled new ships	149	173	185
Self-propelled new military ships	974	998	1,000
Self-propelled new non-military ships	362	461	702
Repair of military ships	423	359	408
Repair of nonmilitary ships	407	435	440
Shipbuilding and repair, not specified by kind	43	31	30

[1]Estimated by Maritime Administration and Shipbuilders Council of America.
[2]Includes value of all products and services sold by the shipbuilding and repair industry (SIC 3731).
[3]Includes value of work done on ships only.
p=Preliminary.

SOURCES: Bureau of the Census, Bureau of Labor Statistics, Maritime Adm Shipbuilders Council of America.

3.5 Gross Output of Shipbuilding Industry

According to the MarAd input-output table prepared for this study, the gross output of the United States shipbuilding industry in 1967 was $2,557.4 million. These were the total revenues received by the shipyards selling their ships and repair services in that year.

3.6 Sales By Shipbuilding Industry

In 1967, the United States shipbuilding industry sold 83.1 percent of its gross output, or $2,124.7 million to the final users (final demand sales), and the remaining 16.9 percent, or $432.7 million, to other industries as inputs to their production process (intermediate sales). It is clear that the final demand sales occupied the predominant portion of the shipyards' output.

Among the final users, the Federal Government was the major customer who purchased 57.1 percent of the total output of the shipbuilding industry. Nearly all Government purchase was for defense uses or the construction of and repair services for the naval ships.

The second highest final user were the domestic ship operators who bought 17.9 percent of the total output or $456.9 million worth of ships. These were

Table 3.2 Sales Made by U.S.Shipbuilding Industry, 1967

	Industry Purchasing	Amount of Sales	%
I.	Intermediate Sales		
18	Rubber & Plastics	2.0	.1
22	Primary Iron & Steel	.2	*
24	Htng.,Plmg. & Strl. Metal	47.4	1.9
25	Other Fabricated Metals	5.1	.2
26	Engines and Turbines	13.2	.5
27	Machinery & Equipment	21.1	.8
30	Shipbuilding and Repair	17.7	.7
31	Other Transport Equip.	66.9	2.6
32	Instruments	2.1	.1
34	Deepsea Foreign Transport.	103.7	4.1
35	Deepsea Domestic Transport.	36.1	1.4
36	Great Lakes Transport.	8.8	.3
37	River & Canal Transport.	19.3	.8
38	Local Water Transport.	56.3	2.2
43	Wholesale-Retail	1.6	*
44	Finance,Insurance, & R.E.	3.8	.1
46	Government Enterprise	1.9	*
49	Dummy Industries	7.4	.3
	Intermediate sales total	432.7	16.9
II.	Final Demand Sales		
	Domestic Ship Operators	456.9	17.9
	Inventory Accumulation	171.1	6.7
	Exports	36.7	1.4
	Fed.Gov. Defense	1,281.6	50.1
	Fed. Gov. Non-defense	178.4	7.0
	Total Final Demand Sales	2,124.7	83.1
	GROSS OUTPUT	2,557.4	100.0

Table 3.3 Impact Coefficients Per Dollar* of Purchase By the Unites States Shipbuilding and Repairing Industry, 1967
(* Per $million for employment)

		Output Impact			Employment Impact			Employee Compensation Impact			Indirect Business Taxes			Business Profits Impact			GNP Impact		
		D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII	D	DI	DII
1	LIVESTOCK AND PRODUCTS	-----	.0028	.0899	-----	.1587	5.0968	-----	.0001	.0036	-----	.0001	.0023	-----	.0006	.0179	-----	.0007	.0238
2	OTHER AGRICULTURAL PROD.	-----	.0029	.0750	-----	.2141	5.5770	-----	.0002	.0057	-----	.0001	.0025	-----	.0011	.0285	-----	.0014	.0367
3	FOREST AND FISH PRODUCTS	-----	.0013	.0125	-----	.0909	.8632	-----	.0002	.0023	-----	-----	.0002	-----	.0004	.0039	-----	.0007	.0064
4	IRON ORES MINING	-----	.0079	.0095	-----	.1160	.1389	-----	.0011	.0014	-----	.0002	.0003	-----	.0009	.0011	-----	.0023	.0027
5	NONFERROUS ORES MINING	-----	.0056	.0070	-----	.1826	.2272	-----	.0014	.0018	-----	.0002	.0002	-----	.0005	.0006	-----	.0021	.0026
6	CRUDE OIL AND NATURAL GAS	-----	.0063	.0386	-----	.1145	.7086	-----	.0004	.0023	-----	.0003	.0019	-----	.0029	.0180	-----	.0036	.0221
7	OTHER MINING	.0002	.0070	.0152	.0062	.2758	.6007	.0001	.0023	.0050	-----	.0001	.0003	-----	.0016	.0034	.0001	.0040	.0087
8	CONSTRUCTION	.0039	.0135	.0558	.1509	.5195	2.1536	.0014	.0048	.0200	-----	.0001	.0003	.0003	.0011	.0044	.0017	.0060	.0246
9	ORDNANCE AND ACCESSORIES	.0047	.0062	.0085	.1398	.1837	.2507	.0018	.0024	.0032	-----	-----	.0001	.0003	.0004	.0005	.0021	.0028	.0038
10	FOOD PRODUCTS AND TOBACCO	-----	.0082	.2890	-----	.1575	5.5573	-----	.0012	.0410	-----	.0006	.0195	-----	.0006	.0223	-----	.0023	.0826
11	TEXTILE AND APPAREL	.0014	.0075	.1344	.0698	.3694	6.6662	.0004	.0019	.0336	-----	-----	.0006	.0001	.0006	.0100	.0005	.0025	.0442
12	LUMBER AND WOOD PRODUCTS	.0097	.0177	.0465	.4751	.8706	2.2880	.0026	.0048	.0127	.0001	.0001	.0004	.0012	.0021	.0056	.0039	.0071	.0187
13	PAPER AND PRODUCTS	.0005	.0106	.0591	.0163	.3157	1.7637	.0001	.0026	.0143	-----	.0001	.0006	.0001	.0012	.0070	.0002	.0039	.0218
14	PRINTING AND PUBLISHING	.0001	.0083	.0608	.0037	.3916	2.8805	-----	.0031	.0226	-----	.0001	.0004	-----	.0010	.0072	-----	.0041	.0302
15	CHEMICALS AND PRODUCTS	.0002	.0111	.0492	.0032	.2242	.9962	-----	.0020	.0090	-----	.0001	.0004	-----	.0019	.0086	.0001	.0041	.0181
16	OTHER CHEMICAL PRODUCTS	.0019	.0054	.0404	.0388	.1094	.8197	.0004	.0011	.0081	-----	-----	.0003	.0003	.0009	.0067	.0007	.0020	.0151
17	PETROLEUM REFINING	.0025	.0100	.0681	.0170	.0678	.4625	.0002	.0008	.0057	.0003	.0011	.0077	.0001	.0006	.0040	.0006	.0026	.0174
18	RUBBER AND PLASTIC	.0016	.0117	.0539	.0533	.3780	1.7487	.0004	.0031	.0145	-----	.0003	.0016	.0002	.0013	.0060	.0007	.0048	.0221
19	LEATHER AND PRODUCTS	-----	.0004	.0163	.0026	.0295	1.0712	-----	.0001	.0052	-----	-----	.0001	-----	-----	.0013	-----	.0002	.0066
20	GLASS AND PRODUCTS	.0020	.0036	.0108	.0931	.1630	.4930	.0008	.0013	.0040	-----	-----	.0001	.0004	.0006	.0019	.0011	.0020	.0060
21	STONE AND CLAY PRODUCTS	.0059	.0115	.0195	.2479	.4870	.8224	.0018	.0035	.0060	.0001	.0001	.0002	.0008	.0016	.0027	.0027	.0053	.0089
22	PRIMARY IRON AND STEEL	.0748	.1572	.1861	2.1616	4.5425	5.3784	.0216	.0455	.0538	.0008	.0018	.0021	.0067	.0141	.0167	.0292	.0614	.072
23	PRIMARY NONFERROUS METALS	.0365	.0862	.1046	.7087	1.6747	2.0315	.0060	.0143	.0173	.0003	.0006	.0008	.0137	.0087	.0106	.0100	.0236	.028
24	HTNG, PLMG, AND STRL. METAL	.0567	.0620	.0678	2.1885	2.3958	2.6181	.0156	.0170	.0186	.0004	.0004	.0005	.0049	.0054	.0058	.0208	.0228	.0249
25	OTHER FABRICATED METALS	.0274	.0502	.0861	.9570	1.7548	3.0102	.0081	.0149	.0256	.0002	.0004	.0007	.0036	.0066	.0113	.0119	.0219	.0375
26	ENGINES AND TURBINES	.0508	.0580	.0604	1.3852	1.5837	1.6488	.0133	.0152	.0159	.0004	.0004	.0004	.0508	.0051	.0053	.0181	.0207	.0216
27	MACHINERY AND EQUIPMENT	.0854	.1246	.1451	3.2421	4.7299	5.5069	.0285	.0416	.0484	.0007	.0010	.0011	.0090	.0131	.0153	.0381	.0557	.0648
28	OFFICE MACHINES	.0010	.0036	.0095	.0301	.1096	.2926	.0003	.0009	.0025	-----	-----	-----	.0001	.0004	.0010	.0004	.0013	.0035
29	OTHER ELECTRICAL EQPT.	.0126	.0329	.0835	.5113	1.3405	3.3980	.0043	.0111	.0283	.0001	.0002	.0005	.0012	.0031	.0080	.0055	.0145	.0367
30	SHIPBUILDING AND REPAIR	.0069	1.0077	1.0081	.3789	55.1618	55.1857	.0030	.4394	.4396	.0001	.0093	.0093	.0004	.0611	.0611	.0035	.5098	.5100
31	OTHER TRANSPORT EQPT.	.0105	.0274	.1094	.2680	.6992	2.7814	.0027	.0072	.0283	.0003	.0009	.0035	.0006	.0015	.0059	.0036	.0096	.0376
32	INSTRUMENTS	.0045	.0082	.0207	.1861	.3359	.8500	.0014	.0025	.0064	-----	.0001	.0001	.0008	.0014	.0035	.0022	.0040	.0100
33	MISCELLANEOUS MFG.	.0001	.0022	.0240	.0036	.1001	1.0979	-----	.0006	.0070	-----	-----	.0002	-----	.0002	.0025	-----	.0009	.0097
34	DEEPSEA FOREIGN	-----	.0022	.0053	-----	.0366	.0900	-----	.0002	.0006	-----	-----	.0001	-----	.0002	.0004	-----	.0004	.0011
35	DEEPSEA DOMESTIC	.0001	.0005	.0029	.0023	.0146	.0860	-----	.0001	.0006	-----	-----	.0001	-----	.0001	.0004	-----	.0002	.0010
36	GREAT LAKES TRANS.	-----	.0006	.0009	-----	.0139	.0210	-----	.0001	.0002	-----	-----	-----	-----	.0002	.0003	-----	.0003	.0005
37	RIVER AND CANAL TRANS.	-----	.0006	.0015	.0013	.0196	.0528	-----	.0002	.0005	-----	-----	-----	-----	-----	.0001	-----	.0002	.0006
38	LOCAL WATER TRANS.	-----	.0001	.0006	-----	.0088	.0351	-----	.0001	.0003	-----	-----	-----	-----	-----	-----	-----	.0001	.0004
39	SERVICE TO WATER TRANS.	-----	.0003	.0012	-----	.0142	.0665	-----	.0001	.0004	-----	-----	-----	-----	-----	.0001	-----	.0002	.0006
40	OTHER TRANS. AND STORAGE	.0108	.0389	.1281	.6449	2.3151	7.6022	.0045	.0162	.0532	.0004	.0014	.0046	.0017	.0063	.0203	.0066	.0240	.0785
41	COMMUNICATIONS	.0056	.0123	.0648	.2408	.5312	2.7852	.0019	.0041	.0217	.0006	.0014	.0072	.0019	.0041	.0217	.0044	.0097	.0506
42	UTILITIES	.0072	.0255	.1158	.1238	.4385	1.9899	.0009	.0033	.0152	.0004	.0014	.0065	.0021	.0073	.0331	.0034	.0121	.0549
43	WHOLESALE/RETAIL	.0305	.0608	.4799	3.0118	6.0124	47.3696	.0167	.0334	.2634	.0043	.0085	.0671	.0048	.0095	.0750	.0258	.0515	.4055
44	FINANCE INS. AND R.E.	.0104	.0394	.4846	.2083	.7877	9.6886	.0014	.0052	.0641	.0013	.0049	.0606	.0045	.0170	.2087	.0072	.0272	.3334
45	SERVICES	.0176	.0540	.4264	1.1861	3.6354	28.6274	.0063	.0192	.1511	.0002	.0007	.0053	.0039	.0120	.0945	.0104	.0319	.2509
46	GOVERNMENT ENTERPRISE	.0010	.0088	.0496	.0500	.4299	2.4279	.0005	.0040	.0224	-----	-----	.0002	.0001	.0010	.0055	.0006	.0050	.0281
47	NONCOMPETITIVE IMPORTS	-----	.0018	.0412	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
48	COMPETITIVE IMPORTS	-----	.0326	.0660	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
49	DUMMY INDUSTRIES	.0092	.0263	.0608	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
50	MISCELLANEOUS INDUSTRIES	-----	-----	.0084	-----	-----	-----	-----	-----	.0078	-----	-----	-----	-----	-----	.0004	-----	-----	.0082
51	EMPLOYEE COMPENSATION	.4360	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
52	INDIRECT BUS. TAX	.0093	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
53	PROPERTY-TYPE INCOME	.0606	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
	IMPACT PER DOLLAR OF F.D.*	1.0000	2.0472	4.8877	54.7431	94.0675	225.7715	.4361	.7348	1.5144	.0093	.0373	.2107	.0606	.2000	.7691	.5059	.9721	2.494
	MULTIPLIER (DOMESTIC)	-----	2.0472	4.8877	-----	1.7183	4.1242	-----	1.6850	3.4729	-----	4.0264	22.7411	-----	3.3001	12.6892	-----	1.9213	4.9299
	OPEN MODEL IMPACT	2124.7	4349.7	-----	116,313	199865	-----	926.5	1561.1	-----	19.7	79.3	-----	128.8	425.1	-----	1075.1	2065.5	-----
	CLOSED MODEL IMPACT	2124.7	-----	10384.8	116,313	-----	479.697	926.5	-----	3217.6	19.7	-----	448.0	128.8	-----	1634.4	1075.1	-----	5209.6

D=Direct Impact; DI=Direct and Indirect Impact; DII=Direct, Indirect, and Induced Impact

primarily those ships constructed under the provisions of CDS and Jones Act.

Exports to foreign countries were very small. The foreign orders amounted only 1.4 percent of the total sales or $36.7 million.

A portion of the output (6.7 percent) remained in the shipyards in the form of unfinished ships and counted as inventory accumulation.

Intermediate sales were primarily ship repair, maintenance, and related services. They were made to relatively few industries: out of 50 processing sectors in the I-O table, only 19 sectors purchased ship repair services. For obvious reasons, the largest sales of services went to ship operators (MarAd sectors 34 through 38) and ports (sector 39). "Other Transportation Equipment" industry also purchased the shipyards' services.

The following industries also purchased the shipyards' services and are listed in the order of size of purchases: Heating, Plumbing and Structural Metal (47.4 million), Machinery and Equipment ($21.1 million), Engines and Turbines ($13.2 million), and so on. (See Table 3.2)

3.7 Output Impact Due to Purchases the Shipbuilding Industry

The United States shipbuilding industry, in order to construct ships and provide repair services, purchases various inputs from the rest of the industries. In the process, it causes other industries to increase their outputs, to generate more employment and income. The input-output tables capture the magnitude of these impacts in terms of direct, indirect, and induced demand generated by the shipbuilding industry.

Table 3.3 shows the impact coefficients for output, employment, employee compensation, indirect business taxes, corporate incomes, and "valued added", only for the shipbuilding industry taken out of the full I-O tables attached to the appendix of this report.[1] These are expressed, except for employment coefficients, as per dollar impacts or the impacts resulting from one dollar delivery to final demand of shipbuilding industry. Accordingly, direct, indirect, and induced impacts are obtained by multiplying the final demand of shipbuilding sector in 1967, or $2,124.7 million, to both the open and closed model impact coefficients.[2]

[1]For explanation of an impact table, refer to section 2 of this report where full explanation is given.

[2]The final demands of the shipbuilding sector for both open and closed I-O models are the same, because the final demand for household sector is zero.

Direct Impact

The direct output impact of the final demand of U.S. Shipbuilding industry is equal to the final demand itself: i.e. $2,124.7 million for both the open and closed I-O models.

The major direct suppliers of inputs to the shipbuilding industry can be found by multiplying the final demand $2,124.7 million to direct impact coefficients (or the input coefficients). The major direct suppliers are listed below in the order of the size of inputs purchased by the shipyards.

Table 3.4 Selected Industries With Direct Output Impact by the United States Shipbuilding Industry, 1967

Sector No.	Industry	Impact Per Dollar	Impact Total ($Million)
27	Machinery & Equipment	8.5¢	$ 181.5
22	Primary Iron & Steel	7.5¢	158.9
24	Htng.,Plmg. & Strl.Metal	5.7¢	120.5
26	Engines & Turbines	5.1¢	107.9
23	Primary Nonferrous Met.	3.6¢	77.6
43	Wholesale & Retail	3.1¢	64.8
	Total Direct Impact	$1.00	$2,124.7

Direct and Indirect Output Impact of Final Demand

For every dollar of output delivered to the final demand of shipbuilding industry, nearly $2.05 worth of direct plus indirect outputs were generated throughout the industries. In other words, the output multiplier (Type I) was 2.05. Accordingly, for the total shipbuilding sector final demand of $2,124.7 million in 1967, the direct and indirect interindustry impact was $4,349.7 million (2,124.7 x 2.0472)

Table 3.5 Selected Industries With Direct and Indirect Output Impacts by the U.S. Shipbuilding Industries,1967

Sector No.	Industry	Impact per $	Total Impact
22	Primary Iron & Steel	15.7¢	$334 Million
27	Machinery & Equipment	12.5	265
23	Primary Nonferrous Metal	8.6	183
24	Htng, Plmg & Strl Metal	6.2	132
43	Wholesale-Retail	6.1	129
26	Engines & Turbines	5.8	123
45	Services	5.4	115
44	Finance,Insurance $ R.R.	3.9	84
40	Other Transportation	3.9	82
29	Other Elect. Equip.	3.3	70
42	Utilities	2.6	54
	Total Direct & Indirect Impact	$2.05	$4,350

Source: Table 3.3.

Other than the shipbuilding sector itself, sector 22, Primary Iron and Steel (15.7¢ per dollar of final demand) had the greatest impact. Other major industries with relatively large purchase impacts are listed in the previous table.

Direct, Indirect, Plus Induced Output Impact

In addition to direct and indirect impacts, which primarily are developed due to the interindustry relationship, there would be further economy-wide impacts due to household income expenditures.

A high 6.87 Type II multiplier resulted from the I-O analysis. One might therefore argue that as much as $14,593 million of the output in 1967 could have been due to shipbuilding sector. This, however, included the personal income earned by the household sector which was considered as one of the industries. Exclusion of the household sector or personal income results in Type II multiplier of 4.89 and the overall output impact of $10,385 million.

A list of major industries most affected by the ship construction and repair industry is presented in Table 3.6.

Table 3.6 Selected Industries With Direct, Indirect and Induced Impacts by the U.S. Shipbuilding Industry, 1967

Sector No.	Industry	Impact Per $	Total Impact ($Million)
44	Finance, Insurance, & R.E.	48.4¢	$ 1,028
43	Wholesale-Retail	48.0	1,018
45	Services	42.6	904
10	Food Products & Tobacco	28.9	614
22	Primary Iron & Steel	18.6	396
27	Engines & Turbines	14.5	308
11	Textiles & Apparel	13.4	286
40	Other Transportation	12.8	270
42	Utilities	11.6	246
31	Other Transport Equipment	10.9	232
	Total Direct, Indirect, & Induced Impact	$6.87*	$14,593*

Source: Table 3.3
*Includes the income generated in the Household Sector.

Note that the most affected industries due to induced impacts were obviously consumer-oriented industries, i.e., Finance, Insurance and Real Estate, Wholesale and Retail, Services, Food Products, Textiles and Apparels, and Utilities. It is indeed the strength of the input-output analysis to reveal the impacts on industries which are not directly related to an industry whose impacts are to be measured.

The application of the Type II multiplier requires caution because it measures the gross impacts, not net impacts. It describes a theoretical maximum impact that assumes an unemployed individual's consumption is zero. In reality, even an unemployed person consumes, albeit at a lower expenditure level. This means that the net impact of increased (or decreased) consumer spending due to the increased outputs of industries would be smaller than the gross impact.

But, induced impacts do have particular relevance to the shipbuilding industry because they can affect an isolated economic region that is dependent on the shipbuilding industry. When the shipyards' employment declines and there is no alternate employment in the local area, the unemployed shipyard workers and other affected workers may leave the area seeking employment elsewhere. In such a case, the Type II multiplier may be applied fully. It must be remembered, though, that the regional and local multipliers are generally considerably smaller than the national multipliers due to leakages.

3.8 Employment Impact

In 1967, nearly 140,000 workers[1] were employed by the U.S. commerical shipyards to produce $2,557.4 million worth of output. This meant that on the average 54.7 workers were hired per million dollar worth of output.

3.9 Location of Shipyard Workers

Before we discuss the economic impact of shipyards, some basic locational characteristics of shipyard employment are presented.

First, over 56 percent of its employees are concentrated on the Atlantic Coast, followed by the Gulf Coast (30 percent), the Pacific Coast (12 percent), and the Great Lakes (3 percent).

Second, most of its employment is concentrated in a few large shipyards which employ over 500 workers. As of 1972, there were 42 such yards which employed 91 percent of all the workers in the industry.

Third, because of the locations of shipyards, the shipbuilding employment is concentrated in a few states which are contiguous to the four coasts and the Great Lakes. Seventeen such states are identified. According to the 1970 U.S. Census, in terms of absolute numbers, California had the largest number of workers with 38,387, followed by Virginia (31,567), Washington (10,001),etc. In terms of percentage of total employment in the state, Maine had the highest percentage (1.9 percent) followed by Virginia (1.8 percent), Washington (1.5 percent), and New Hampshire (1.3 percent).

Shipyard employment, while occupying a relatively small proportion of the nation's person-power, is very significant at the regional

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[1] There were in addition aporoximately 92,100 workers employed in navy yards.

Table 3.7

Total Employment Data
1970 Census
Total Non-Agricultural Employment and Employment in the Shipbuilding and Repair Industry

	EMPLOYMENT		Percent of Total Employment
	Total Non-Agricultural Industry	Shipbuilding and Repair	
Maine	365,850	7,008	1.9
Masschusetts	2,298,169	16,755	0.7
Connecticut	1,252,956	10,652	0.9
New Hampshire	294,124	3,947	1.3
New York	7,124,001	5,437	0.1
Pennsylvania	4,536,903	12,508	0.3
Maryland	1,538,766	11,630	0.8
Virginia	1,714,250	31,567	1.8
South Carolina	954,556	7,427	0.8
Georgia	1,746,769	1,405	0.1
Florida	2,426,268	11,909	0.5
Ohio	4,063,780	2,332	0.1
Michigan	3,252,830	3,026	0.1
Wisconsin	1,703,625	2,407	0.1
Washington	1,233,063	19,001	1.5
Oregon	778,745	2,223	0.3
California	7,484,690	38,387	0.5

and local levels. Many of the shipyards are located in areas of unemployment and provide a significant part of the total area employment.

3.10 Direct Employment Effect

For the $2,124.7 million final demand sales in 1967, 54.7 jobs were created per $million among the direct suppliers of inputs to the shipbuilding industry as well as the shipyards themselves. This means that the total of 116,313 jobs were generated. As shown in Table 3.8, the industries which were most affected are: Sector 27,Machinery and Equipment (6,889), Sector 43, Wholesale and Retail (6,399), Sector 24, Heating, Plumbing and Structural Metals (4,650), Sector 22, Primary Iron and Steel (4,593), Sector 26, Engines and Turbines (2,943), Services (2,520), and Other Fabricated Metals (2,033)...to name only the leading industries.

3.11 Direct and Indirect Employment Effect

The Type I and Type II employment multipliers for the shipbuilding sector were 1.72 and 4.12, respectively. Accordingly, the direct and indirect employment throughout the economy attributable to the shipbuilding industry was 199,865. Similarly, the repercussions of consumer spending triggered by the shipyards' activities expanded the effect to a level of 479,697 jobs.

Table 3.8 Direct Employment Effect on the Selected Industries by the U.S. Shipbuilding Industries, 1967 (Listed in the Order of Impact Size)

Sector No.	Industry	Impact Per $MM	Impact Total
		(Person-years)	
27	Machinery and Eqpt.	3.2	6889
43	Wholesale/Retail	3.0	6399
24	Htng.,Plumg. & Strl. Metals	2.2	4650
22	Primary Iron & Steel	2.2	4593
26	Engines & Turbines	1.4	2943
45	Services	1.2	2520
25	Other Fabricated Metals	1.0	2033
23	Primary Nonferrous Metals	0.7	1506
40	Other Trans. & Storage	0.6	1351
29	Other Electrical Eqpt.	0.5	1086
12	Lumber & Wood Products	0.5	1009
30	Shipbuilding & Repair	0.4	805
31	Other Transport Eqpt.	0.3	569
21	Stone & Clay Products	0.2	527
41	Communications	0.2	512
	Total Direct Impact	54.7	116,313

Table 3.9 Direct and Indirect Employment Effect on the Selected Industries by the U.S. Shipbuilding Industry, 1967

Sector No.	Industry	Impact Per $MM	Impact Total
		(Person-years)	
30	Shipbuilding & Repair	55.2	117202
43	Wholesale/Retail	6.0	12775
27	Machinery & Equipment	4.7	10050
22	Primary Iron & Steel	4.5	9652
45	Services	3.6	7725
24	Htng,,Plmg., & Strl. Metals	2.4	5090
40	Other Trans. & Storage	2.3	4920
25	Other Fabricated Metals	1.8	3728
23	Primary Nonferrous Metals	1.7	3558
26	Engines & Turbines	1.6	3365
29	Other Electrical Eqpt.	1.3	2848
12	Lumber & Wood Products	0.9	1850
44	Finance Ins. & R.E.	0.8	1675
31	Other Transport Eqpt.	0.7	1486
41	Communications	0.5	1129
	Total Direct and Indirect Impact	94.1	199,865

Table 3.10 Direct, Indirect, and Induced Employment Effect on the Selected Industries by the U.S. Shipbuilding Industry, 1967

Sector No.	Industry	Impact Per $MM	Impact Total
		(Person-years)	
30	Shipbuilding & Repair	55.2	117253
43	Wholesale/Retail	47.4	100646
45	Services	28.6	60825
44	Finance, Ins., & R.E.	9.7	20585
40	Other Trans. & Storage	7.6	16152
11	Textile & Apparel	6.7	14164
2	Other Agricultural Products	5.6	11849
10	Food Products & Tobacco	5.6	11808
27	Machinery & Equipment	5.5	11701
22	Primary Iron & Steel	5.4	11427
1	Livestock & Products	5.1	10829
25	Other Fabricated Metals	3.0	6396
14	Printing & Publishing	2.9	6120
31	Other Transport Eqpt.	2.8	5910
41	Communications	2.8	5918
	Total Direct, Indirect, and Induced Impact	225.8	479,697

As shown in Table 3.9, those industries which are indirectly affected were the same as the ones directly affected as shown in Table 3.8. Of course, the magnitude of impacts are now significantly increased. Notice, too that now the Wholesale and Retail sector leads the list.

The inclusion of the induced impact, however, brought other consumer-related industries into the limelight. (See Table 3.10) Thus, the consumer-related sectors (i.e.; Wholesale-Retail, Services, Finance, Insurance, and Real Estate, Textile and Apparel, Agricultural Products, etc.) preceded manufacturing sectors (i.e.; Other Transportation and Storage, Machinery and Equipment, Primary Iron and Steel, and Other Fabricated Metals).

The employment impact ratios were 1.43 and 3.43 for Type I and Type II, respectively. Given the total employment of shipbuilding industry of 140,000 in 1967, the direct and indirect employment effect attributable to the shipbuilding industry can be quickly estimated to be 199,865 (140,000 x 1.43); and the direct-indirect-induced effect to be 479,697 (140,000 x 3.43). The same numbers calculated previously.

3.12 GNP Impact

For every dollar of shipbuilding and repairing output, the value-added by the industry was on the average 50.6¢. This consisted of: 43.6¢-wages and salaries, .9 ¢-indirect business taxes paid, and 6.1¢-profit-type incomes including business profits, interests, and rents. The 1967 final demand of $2,124.7 million had a direct GNP (value added) effect of $1,075.0 million. It consisted of $926.5 million for employee compensations,$128.8 million for profit-type incomes, and $19.7 million for indirect business taxes. The direct GNP contribution of the Shipbuilding industry's final demand was a mere .14 percent.
The Type I value-added impact was $ .97 per dollar of final demand, and yielded $2,065.5 million in direct and indirect GNP contribution attributable to the shipyards' activities. Similarly, the Type II GNP impact was estimated at $5,299.6 illion at $2.49 per dollar of final demand.

In conclusion, the gross impact of shipbuilding industry on the nation's GNP was nearly .67 percent. This is, relatively speaking, a large contribution for an industry whose value-added component of final demand measures only .14 percent of GNP resulting in a large national income multiplier of 4.93.

Economic Impact Received by the Shipbuilding Industry

So far, the discussions have been focused only on how the shipbuilding industry was affecting other sectors of our economy. But, just as the final demand of the shipbuilding sector directly and indirectly contributed to the outputs of others, the shipbuilding industry is affected by other sectors. The magnitude of shipbuilding sector's output dependency to the final demands of other sectors

is shown on the row 30 of the Impact Table which appears at the end of Chapter 1.

Since very few industrial sectors purchase shipyards outputs as intermediate goods (See section 3), the output of the shipyards is heavily dependent on the final demand of its own products and not on the final demands of other sectors. As much as 84.1 percent of shipyards' output was generated from its own final demand, 4.7 percent from the U.S. Merchant Marine, 2.8 percent from the Other Transport Equipment sector (I-O 31), 1.8 percent from the Construction sector, and 1.6 percent from port-related activities.

In conclusion, the U.S. Shipbuilding industry affects greatly others more than it is affected. Indeed its Type II impact ratio is the highest among all 50 sectors of MarAd I-O Table.

APPENDIX A

A LIST OF THE MARAD INPUT-OUTPUT TABLES

The appendices contain five sets of I-O tables prepared in the course of the study for the Maritime Administration. There are 5 tables for A series; 5 tables for B series; 7 tables for C series; and 12 tables for D series.

A series are open I-O tables; B series are I-O tables "closed" with respect to the household sector. Both series show the shipping industry disaggregated into five subsectors: i.e., Deepsea-foreign, Deepsea-domestic, Great Lakes & St. Lawrence Seawy, Rivers & Canals, and Local Water transportations.

C-series contain both open and closed tables but the water transportation sector is disaggregated into only two subsectors, the U.S. Merchant Marine and the Foreign Shipping sectors.

The D series tables summarize various economic impact coefficients relevant to the U.S. Merchant Marine and Shipbuilding industries.

A- Series (Open I-O Model)

Table A1, Marad I-O Table of U.S. Economic Transactions 1967 (In $ Million of Producers' Prices)

Table A2, Direct Output Requirements Per Dollar of Gross Output

Table A3, Direct Employment Requirements per $Million of Gross Output

Table A4, Direct, and Indirect Output Requirements Per Dollar of Delivery to Final Demand

Table A5, Direct, and Indirect Employment Requirements Per Million Dollar of Delivery to Final Demand

B- Series (Closed With Respect to Household Sector)

Table B1, Transactions Closed With Respect to Household, 1967 (In $ Million of Producers' Prices)

Table B2, Direct Output Requirements Per Dollar of Gross Output

Table B3, Direct Employment Requirements Per Million Dollar of Gross Output

Table B4, Direct, Indirect, and Induced Output Requirements Per Dollar of Delivery to Final Demand

Table B5, Direct, Indirect, and Induced Employment Requirements Per Million Dollar of Delivery to Final Demand

C- Series (Water Transportation Sector Disaggregated Into the U.S. Merchant Marine and Foreign Shipping Sectors.)

Table C1, Marad I-O Table of U.S. Economy, Transactions 1967 (In $ Million of Producers' Prices)

Table C2, Direct Output Requirements Per Dollar of Gross Output

Table C3, Direct Employment Requirements Per Million Dollar of Gross Output

Table C4, Direct and Indirect Output Requirments Per Dollar of Delivery to Final Demand

Table C5, Direct and Indirect Employment Requirements Per Million Dollar of Delivery to Final Demand

Table C6, Direct, Indirect, and Induced Output Requirements Per Dollar of Deliverty to Final Demand

Table C7, Direct, Indirect, and Induced Employment Requirements Per Million Dollar of Delivery to Final Demand

D- Series

Table D1, Direct Employment Compensation Imapct Per Dollar of Gross Output of Maritime Industries

Table D2, Direct, Indirect-Business Tax Impact Per Dollar of Gross Output of Maritime Industries.

Table D3, Direct Property-Type Income Impact Per Dollar of Gross Output of Maritime Industries

Table D4, Direct, and Indirect Employment Compensation Impact Per Dollar of Delivery to Final Demand of Maritime Industries

Table D5, Direct and Indirect,"Indirect-Business Tax" Tax Impact Per Dollar of Delivery to Final Demand of Maritime Industries

Table D6, Direct, and Indirect Property-Type Income Impact Per Dollar of Delivery to Final Demand of Maritime Industries

Table D7, Direct, Indirect, and Induced Employment Compensation Impact Per Dollar of Delivery to Final Demand of Maritime Industries.

Table D8, Direct, Indirect, and Induced "Indirect-Business Tax" Impact Per Dollar of Delivery to Final Demand of Maritime Industries.

Table D9, Direct, Indirect, and Induced Property-Type Income Impact Per Dollar of Delivery to Final Demand of Maritime Industries.

Table D10 Direct Impact Per Dollar of Gross Output of Maritime Industries On Value Added

Table D11 Direct and Indirect Impact Per Dollar of Delivery to Fianl Demand of Maritime Industries On Value Added

Table D12 Direct, Indirect and Induced Impact Per Dollar of Delivery to Final Demand of Maritime Industries On Value Added

Table E1 Direct Impact Per Dollar of Gross Output of the U.S. Merchant Marine On Employment Compensation

Table E2 Direct Impact Per Dollar of Gross Output of the U.S.Merchant Marine On Indirect Business Taxes

Table E3 Direct Impact Per Dollar of Gross Output of the U.S. Merchant Marine on Property Type Income

Table E4 Direct, and Indirect Impact Per Dollar of Delivery to Final Demand of U.S. Merchant Marine on Employment Compensation

Table E5 Direct, and Indirect Impact Per Dollar of Deliverty to Final Demand of U.S. Merchant Marine on Indirect Business Taxes

Table E6 Direct and Indirect Impact Per Dollar of Delivery to Final Demand of U.S. Merchant Marine on Property Type Income

Table E7 Direct, Indirect, and Induced Impact Per Dollar of Delivery to Final Demand of the USMM on Employment Compensation

Table E8 Direct, Indirect, and Induced Impact Per Dollar of Delivery to Final Demand of the USMM on Indirect Business Taxes

Table E9 Direct, Indirect, and Induced Impact Per Dollar of Delivery to Final Demand of the USMM on Property Type Income

Table E10 Direct Impact Per Dollar of Gross Output of the USMM on Value Added

Table E11 Direct, and Indirect Impact Per Dollar of Delivery to Final Demand of the USMM on Value Added

Table E12 Direct, Indirect, and Induced Impact Per Dollar Delivery to Final Demand of the USMM on Value Added

Table F1 Interindustry Impact Table of the U.S. Economy, 1967/ Direct and Indirect (In $million)

Table F2 Interindustry Employment Impact Table of the U.S. Economy, 1967/ Direct and Indirect

Table G1 Interindustry Impact Table of the U.S. Economy, 1967/Direct, Indirect and Induced (In $million)

Table G2 Interindustry Employment Impact Table of the U.S. Economy, 1967/Direct, Indirect and Induced

APPENDIX B

INDUSTRY CLASSIFICATION FOR THE
MARAD INPUT-OUTPUT TABLES
(50 Sectors including disaggregated
Maritime industries)

For the MarAd input-output tables, all productive activities of the U.S. economy are grouped into 50 industrial sectors.[1] Except for the maritime industrial sectors, MarAd I-O sectors are created by aggregating some of the 87 sectors of the Bureau of Economic Analysis (BEA) I-O tables as they are defined in their publications.[2] The Appendix Table B-1 shows correspondence between the MarAd sectors and BEA sectors.

On the other hand, maritime industrial sectors are created by disaggregating the BEA sectors in the following manner.

Shipbuilding and Repairing industry (Sector 30) in MarAd I-O table is created by extracting the shipbuilding and repairing segment from the BEA sector 61,"Other Transportation Equipment".

There are six water transportation sectors in MarAd tables. They are: (1) Deepsea-foreign transportation, (2) deepsea-domestic transportation, (3) Great Lakes and St. Lawrence Seaway transportation, (4) Rivers and Canals transportation, (5) Local Water transportation, and (6) Services to Water Transportation. These sectors were introduced by disaggregating the Transportation Sector (BEA sector 65) of BEA I-O table.[3]

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[1]One of these 50 industries (sector 49) is called dummny industry and does not actually exist but is created artificially for statistical purposes.

[2]See the following publications for detailed definitions of I-O sectors. U.S. Department of Commerce Bureau of Economic Analysis, Definitions and Conventions of the 1967 Input-Output Study, October, 1974. BEA 87-sector I-O table is published in : U.S. Department of Commerce, Survey of Current Business, February 1974, Vol.54 No.2.

[3]Prepared by William Allen of Division of Inter-industry Economics, BEA, U.S. Department of Commerce.

TABLE B-1

Industry Classification for the MarAd Input-Output Tables
(50 sectors including disaggregated maritime industries)

MarAd No.	BEA I/O No.	Title	INFORUM No.
1	1	Livestock and Livestock products	1,2,3
2	2	Other agricultural products	4,5,6,7
3	3,4	Forestry and fishery products and services (incl. agricultural services)	8,9,10
4	5	Iron and ferroalloy ores mining	11
5	6	Nonferrous metal ores mining	12, 13
6	8	Crude petroleum and natural gas	15
7	7,9,10	Other mining (coal, stone & clay, chemicals and fertilizer mineral mining)	14,17,18
8	11, 12	Construction	19, 20
9	13	Ordnance and accessories	21,22,23
10	14,15	Food products & tobacco	24 through 35
11	16,17,18,19	Textile and apparel products	36 through 42
12	20,21,22,23	Lumber and wood products incl. containers and furniture	43 through 49
13	24,25	Paper and allied products, incl. containers	50,51,52,53

Table 1.1 Continued

MarAd No.	BEA I/O No.	Title	INFORUM No.
14	26	Printing and publishing	55 through 60
15	27	Chemicals and selected chemical products	64 through 67
16	29,30	Drugs, cleaning, paints and allied products	72,73,74
17	31	Petroleum refining and related industries	76,77,78
18	28,32	Rubber and plastics products	68,69,70,71, 80,81,82
19	33,34	Leather and allied products	83,84,85
20	35	Glass and glass products	86
21	36	Stone and clay products	87,88,89,90
22	37	Primary iron and steel	91
23	38	Primary nonferrous metals	92 through 99
24	40	Heating, plumbing and fabricated structural metal products	102,103,104
25	39,41,42	Other fabricated metal products, incl. metal containers and screw machinery	100,101, 105 through 110
26	43	Engines and turbines	111
27	44 thru 50	Machinery and equipments (industrial & farm)	112 thru 122

Table 1.1 Continued

MarAd No.	BEA I/O No.	Title	INFORUM No.
28	51,52	Office and service industry machines	123,124,125
29	53 thru 58	Electric and electronic machines, equipment and appliances	129 thru 142
30	61.01	Shipbuilding and Repairing	Part of 150
31	59,60, & part of 61	Other transportation equipment	143,144 thru part of 150, 151,152,153, 162
32	62,63	Instruments	156 thru 160
33	64	Misc. manufacturing	163 thru 166
34	65.0441	Deep Sea Foreign Transportation	
35	.0442	Deep Sea Domestic transportation	
36	.0443	Great Lakes-St. Lawrence Seaway	170
37	.0444	Rivers and Canals	
38	.0445	Local water transportation	
39	.0446	Service incidental to water transportation	
40	Part of 65	Other transportation and warehousing	167,168,169 172,173

Table 1.1 Continued

MarAd No.	BEA I/O No.	Title	INFORUM No.
41	66,67	Communications, incl. radio and TV	174,175
42	68	Utilities	176,178,179
43	69	Wholesale and retail trade	180,181
44	70,71	Finance, insurance and real estate	182,183,184
45	72 thru 77	Services	186 thru 193
46	78,79	Government enterprises	194,195
47	80A	Non Competitive Imports	196
48	80B	Competitive Imports	
49	81,82,83	Dummy industries	197,198,199
50	84,85,86	Miscellaneous Industries	
51	87	Inventory Value Adjustments	

The definitions of the water transportation sectors are described in the 1967 Standard Industrial Classification handbook.

U.S. Merchant Marine

It is important to recognize that the Deepsea-Foreign Transportation and the Great Lakes-St. Lawrence Seaway Sectors include the value of shipping services rendered by both the U.S.-flag and foreign-flag ships. Accordingly, the subtraction of transportation margins credited to foreign ships is required to derive the values of services by the U.S. ships.

The U.S. Merchant Marine is thus defined as the transportation margins which are credited only to the U.S.-flag ships. It is equal to part of the Deepsea-Foreign and Great Lakes-St. Lawrence Seaway sectors, plus all of the domestic water transportation sectors, excluding the Services to the Water Transportation sector.

Imports: Imports are split into two categories: directly allocated imports (row 47) and transferred imports (row 48). The former consists of imported intermediate goods and services which are not substitutable for domestically produced goods and services; and the imported final goods and services. The latter consist of the imported intermediate goods and services which can be also produced domestically.

Note in the Bureau of Economic Analysis I-O tables, imports are treated as "fictitious" U.S. industries in order to derive complete technical coefficients.

Inventory valuation adjustment (row 51) was created to take care of changes in the value of the inventory due to price changes. In the 1967 I-O table, there is only one entry in row 51 which is negative (-1843). This indicates that inventory prices were higher in 1967 than 1966.

Gross Output. The gross output of an industry represents the sum of the value of the following elements: (a) the total production by the industry, including both the primary and the secondary products or services; (b) the producers' value of the secondary products or services of other industries which are primary to the given industry; and (c) the domestic port value of substitutable imports, which are distributed as part of the output of the given industry.

Gross Input. The gross input of an industry is equal to the sum of the values of the following elements: (a) total consumption of goods and services required for the industry's total production; (b) value added by the industry; (c) the producers' value of the secondary products or services of other industries which are primary to the given industry; and (d) the domestic port value of substitutable imports.

The gross output and input figures of an industry are therefore somewhat inflated because of the double counting of secondary goods and the inclusion of the imported intermediate goods.

APPENDIX C

DISAGGREGATION OF VALUE-ADDED SECTOR INTO EMPLOYMENT COMPENSATION, INDIRECT BUSINESS TAX, AND PROPERTY-TYPE INCOME; AND ESTIMATES OF EMPLOYMENT FOR THE WATER TRANSPORTATION SECTORS, 1967

There are no published data on the value-added components and employment of the subsectors of water transportation. Therefore, the following estimates were made based on relevant unpublished data of the Bureau of Labor Statistics and the U.S. Maritime Administration.

Data sources for Table C-1 are as follows:

Columns (3) and (5) are data from the BEA Input-Output table.

Column (4) are the total domestic outputs. For sector 441(SIC), Deepsea-Foreign Transportation, the data from BEA, shown in column (3), includes outputs generated by foreign flag ships, whereas the column (4) figure includes only the value of services rendered by the U.S. merchant marine.

Column (6) represents estimates by the Maritime Administration based on unpublished data of the Bureau of Labor Statistics. The estimates are forced to match the control total, 242,800.

Column (7): EC+ Gross annual average weekly earnings of production workers x 52 weeks x total employment x 1.05 (the .05 is to account for non-production workers salary).

Appendix Table C-1 Estimates of Value Added Components and Employment of Water Transportation Sectors, 1967

(1) MarAd Sector	(2) S I C	(3) Gross Output	(4) Domestic Output	(5) Value Added	(6) Annual Ave. Employment	(7) Employee Compnstn.	(8) Ind. Bus.Tax	(9) Property Type Income
-	44	7,159.7	5,795.3	2,593.3	242,800	1,673.5	165.6	754.2
34	441	3,190.3	1,997.3	650.1	53,697	360.5	41.5	248.1
35	442	1,111.9	1,059.8	404.4	33,403	224.2	25.8	154.4
36	443	265.5	264.3	147.8	6,500	60.6	9.4	77.8
37	444	597.4	589.5	238.2	20,525	198.6	15.2	24.4
38	445	258,8	258.8	179.6	15,475	149.8	11.5	18.3
39	446	1,735.8	1,738.7	973.2	113,200	679.8	62.1	231.3
30	3721	2,557.4	2,382.2	1,293.9	138,800	1,115.2	23.7	155.0

APPENDIX D

MARAD INPUT-OUTPUT TABLES

The purpose of this section is to explain the basic structure of the MarAd I-O tables displayed in this report so as to facilitate the reading and understanding of these tables.

A-1 MarAd Table of U.S. Economy: Transactions, 1967 (In $Million of Producers' Prices)

The MarAd transactions table of the U.S.economy in 1967 is presented as 55 rows by 60 columns matrix (excluding row 56 which shows sectoral employment).

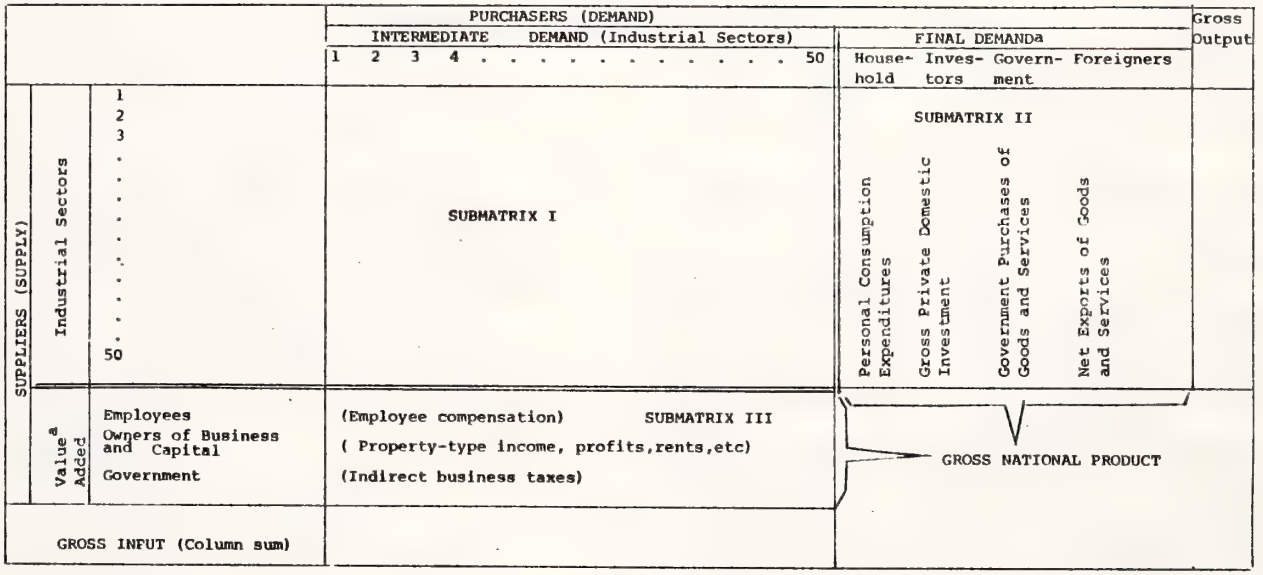
The basic structure of the transaction matrix is shown by Figure D-1 Transactions Table Format It consists of three submatrices where a row vector indicates the total inputs of each sector and a column vector indicates the total output of each sector. Submatrix I is the interindustry matrix. On the left, all 50 sectors denoting the "supplying sectors" are listed. The same 50 sectors are listed on the top to constitute the "Purchasing Sectors." Thus, by reading the submatrix across row by row, one will find the amount (expressed in dollar value) of sales of intermediate goods and services made by the selling sectors to the purchasing sectors. The same entries will, by reading them vertically or by columns, indicate the amount of purchases made by the industries listed on the top from the industries listed on the left. The table exhibits the outputs of industry sold and also the inputs of industries bought. For this reason, the name "input-output" or "transactions" are given to the table.

Outputs of industries are not, however, sold only to industrial sectors as intermediate goods. The remaining outputs are also sold for final consumption to the Final Demand Sectors. These are the sectors where the goods and services are purchased not for further production but for consumption. These sectors include:

Column Sector 52:	Personal Consumption Expenditures
Column Sector 53:	Gross Private Fixed Capital Formation
Column Sector 54:	Net Inventory Change
Column Sector 55:	Net Exports
Column Sector 56:	Fed. Government Purchases-Defense
Column Sector 57:	Fed. Government Purchases-Non-defense
Column Sector 58:	State & Local Government Purchases
Column Sector 59:	Total Final Demands

Submatrix II displays the outputs of industries sold to final demand sectors. When it is read vertically, the submatrix II will show the amount of purchases made by the final demand sectors from various industrial sectors.

FIGURE D-1 MarAd INPUT-OUTPUT TRANSACTIONS TABLE FORMAT



[a]Corresponds to the National Income & Product Accounts

Mathematically expressed, in the I-O tables, total sales of an industry equals its total output. And the total sale consists of sales to processing sectors (intermediate sales) and sales to final users (final demand sales.)

$$X_i = \sum_{j=1}^{51} x_{ij} + \sum_{k=52}^{58} D_{ik} \quad (i=1,\ldots,51)$$

where i=supplying industrial sectors,
j=purchasing sectors,
k=final demand sectors,
x_{ij}=sales made by i sector to j sector,
D_{ik}=sales made by i sector to k final demand sectors, and
X_i=gross output of sector i.

To produce goods and services, each industry purchases inputs from processing sectors as well as services from "value-added" sectors. In the I-O table, the valued-added sectors consist of three components. First, the Employment Compensation sector (row 52) shows the payments of wages to employees; second, Indirect Business Taxes include sales taxes, excise taxes, and license fees, and are paid to the government to conduct businesses; and third, the Property-type Income, which includes profits and capital consumption allowances, earned by the owners of businesses and capital.

In sum, the total input of an industry equals the sum of inputs purchased from industrial sectors and the valued-added components.

$$X_j = \sum_{i=1}^{51} x_{ij} + \sum_{h=52}^{54} v_{hj} \quad (j=1,\ldots,51)$$

where
i=supplying industrial sectors (row sectors)
j=purchasing industrial sectors (column sectors)
h=value-added components or sectors
x_{ij}=purchase of inputs by j from i
v_{hj}=j industry's value added components represented by h.
X_j=total inputs of sector j

Gross output X_i, the row total, equals gross input, X_j the column total.

GNP: Sum of the value added for all industries equals the Gross National Product. Similarly, the sum of the final demands equals the GNP.

In Table A-1, the GNP is shown as the column total of column 59, the total Final Demand.

Valuation of Transactions: The valuation in the I-O table is based on producers' prices. They include Federal,State, and local excise taxes collected and paid by the producer. They, however, exclude distribution costs, which constitute the difference between producers' and purchasers' prices. Under this valuation system, the individual inputs to an industry are valued at producers' prices, while the trade margin and transportation margin[1] of these inputs appear as inputs to the purchasing industry

from the trade and transportation industries, respectively.

Table A-2 Direct Requirements Table Per Dollar of Gross Output (Technical Coefficients)

From a transaction table (A-1), a table of input or technical coefficients can be developed. Technical coefficients are the amount of inputs required from each industry to produce one dollar's worth of output of a given industry. Technical coefficients are calculated for the Processing Sectors industries only.

This table is produced by dividing the column entries by the column total (total output or total input) of each sector. The table is therefore a 55 row by 51 column matrix.

$$a_{ij} = x_{ij} / X_j$$

$$v_{hj} = V_{hj} / X_j \quad \text{and} \quad \sum_i a_{ij} + \sum_h V_{hj} = 1$$

Each column shows the a_{ij}, the inputs that column industry j required from the row industries i, in order to produce a dollar's worth of output. In addition, the column entries show v_{hj}, or the coefficients of the value-added components, required by column industry j in order to produce one dollar's worth of its output. Accordingly, the column sum, or the sum of a_{ij} and v_{hj}, equals 1. In Table A-2 row 55 is therefore 1.000000 for all columns.

Direct Requirements are more often called "technical coefficients" or "input coefficients" because they represent the pattern of factor combinations of industries.

It is generally believed that these coefficients change, but slowly.

An input-output system based on the assumption of fixed technical coefficients describes an economy that has a fixed physical structure plus linear and homogeneous production functions. Thus, the assumption rules out input substitutions arising from factors such as relative price changes (price competition), changes in technology, or industrial integration. Economies of scale are also ruled out. If the coefficients are fixed, inputs from each source remain a constant proportion of a sector's output; furthermore, the sources of input supply are constant. Similarly, the assumption implies a constant product mix; the output of a sector is assumed to be homogenous over time.

Table A-3 Direct Employment Coefficients Per Million Dollars of Gross Output

This table shows the amount of employment in person-years generated among the direct suppliers of an industry listed at the top of the table in order to produce one million dollars' worth

[1] See Appendix G for explanation of transportation margin.

of output.

Column sum (row 52) is therefore the sum of employment directly generated by the purchasing sector to produce one million dollars output. For example, Sector 30 (Shipbuilding & Repair) directly generates 18.8 employees (person-years) among the direct suppliers of its inputs for every one million dollar of output.

The labor-output ratio is derived by dividing the amount of sectoral employment by the gross output in millions of dollars. It represents the average amount of employment created in the industry per million dollar of output. For example, Sector 30 hires, on the average*, 54.7 employees for every $million of output. This means that a million dollar output in the shipbuilding & repair industry directly generates 73.5 employees consisting of 54.7 in the Shipbuilding Sector and 18.8 among the direct suppliers of inputs. By dividing the column sum (row 52) by the labor-output ratio (row 53), a direct employment multiplier (row 54) is derived.

Direct employment coefficients are calculated by:

$$e_{ij} = \hat{\ell}A$$

where

e_{ij}=direct employment coefficients matrix,

$\hat{\ell}$ =diagonalized matrix of labor-output ratio, and

A=technical coefficients or A_{ij} matrix

The table is useful to estimate the direct employment impact of output changes of an industry on direct suppliers of its inputs.

Table A-4 Direct and Indirect Output Coefficients Per Dollar Delivery to Final Demand, 1967

Assume that there are only three industries called A, B, and C in a nation. Assume also that in order to produce goods and services, A purchases inputs from B, B from C, and C from A. If there is an increase in final demand for the products of industry A, then A purchases its inputs from B. This is called the direct impact of A's production on B, and they are shown in tables A-2 and A-3.

The impact, however, does not stop here. Industry B, in order to supply necessary inputs to A, now must increase its own output, and in doing so must purchase more inputs from C. For the same reason, C must increase its output to supply more inputs to B. C must then purchase more from A. A must then acquire more inputs from B, and so on. These successive rounds of impacts are called indirect impacts.

*The average is clearly differentiated from "marginal" labor-output ratio.

When we add direct and indirect impacts, they are often called total interindustry impacts.* It shows the total expansion of output in all industries as a result of the delivery of one dollar's worth of output outside the processing sector by each industry. Total requirement coefficients are calculated by the inversion of the matrix (I-A).

$$B = b_{ij} = (I-A)^{-1} \qquad (i=j=1,\ldots,n)$$

where b_{ij}=matrix of direct & indirect requirements ,
I=identity matrix , and
A=a_{ij} or technical coefficient matrix.

It must be emphasized that in the resulting matrix of b_{ij}, each element b_{ij} itself is a miniature multiplier. It represents the output of supplying sector i to be directly and indirectly affected by the changes in one dollar's worth of output of industry j.

The total or gross multiplier for industry j is simply the column sum of b_{ij}. It measures the sum of direct and indirect requirements from all sectors needed to deliver one additional dollar of output of j to final demand.

*We may call direct and indirect requirements as total interindustry impacts, differentiated from overall economic impact which also include induced income effects.

When we subtract b_{ij} for imports (row 47 and 48) from gross multiplier, the domestic multiplier is derived, and it measures the impacts only on the domestic industries. These multipliers are often called Type I multiplier differing from the Type II multiplier which includes "induced" impacts in addition to direct and indirect impacts (see table B-4 and 5).

Table A-5 Direct & Indirect Employment Coefficients of A Million Dollars of Delivery to Final Demand

Impact analyses are frequently preoccupied with the employment-creating effects of industrial expansion. For this reason, it is often useful to derive the employment multipliers from the I-O model.

Table A-5 presents the total labor requirements directly and indirectly generated by $1 million's worth of production by a column industry.

The employment multipliers are also shown at the bottom of the table.

Derivation of the direct & indirect employment impact coefficients is as follows:

$$\bar{e}_{ij} = \hat{\ell}(I-A)^{-1}$$

where $\bar{e}_{ij}$ = direct-indirect employment requirements of sector i due to changes in one dollar output of sector j
$\hat{\ell}$ = Diagonalized matrix of labor-output ratios.

The employment-production function is assumed to be linear and homogeneous:

$$E_i = \ell_i X_i$$

where E = emplyment, X=output, and ℓ =labor-output ratio.

When the column sum (row 52) is divided by labor-output ratio (row 53) of each column sector, the employment multiplier (row 54) is obtained.

APPENDIX E

EXPLANATION OF B-SERIES MARAD I-O TABLES

There are five B-series I-O tables. These tables are partially "closed" tables in contrast to the "open" character of A-series.

In this section, we shall therefore explain the main characteristics of the closed I-O model, and how they are constructed.

Open vs. Closed I-O Model

In the open model (as shown in A-series), the household sector is included in the final demand sectors. Accordingly, the household sector is autonomous, or exogenously determined. In contrast, the closed model with respect to the household sector requires the inclusion of the household sector into the Processing Sector of the I-O model. In other words, now the household sector is treated as a processing industry where the household purchases for consumptions are treated as inputs and the outputs of household sector is labor. The outputs of household sector are determined endogenously.

Induced Impacts

The major reason for the creation of closed I-O model is to calculate the impact of induced income change. When an industry increases (or decreases) its production, it is likely that more workers be added to the given industry and to other supplying industries which are directly and indirectly affected. Thus direct and indirect impacts would generate incomes. Workers, enriched with incomes, increase their consumption goods and services produced by industries throughout the economy, and further induce increases in national outputs. These income effects represent induced impacts.

When output changes due to a change in final demand, the value added by each sector also changes. This leads to a change in the GNP and personal income, and in turn induce changes in final consumption. The increase in final consumption then results in the increase in outputs, and trigger another round of repercussions on the GNP, personal income, consumption and output. It is thus clear that in addition to direct and indirect interindustry impact, there would be induced impact due to income.

The B-series I-O tables are prepared primarily to capture these tertiary impacts of industrial production and quantify "Overall income impact".

Table B-1 Transaction Table Closed With Respect to Household Sector
(In $Million of Producers' Prices)

This is a "closed" table in contrast to an "open" model of the A-1 transaction table. In B-1, the household sector is treated as a processing sector and appears both as a column (col. 52), and as a row (row 52). Because of this re-arrangement, the value-added sectors have been

restructured. But the remaining parts of the table are exactly the same as the open model Table A-1. The procedures used in the construction of the closed I-O model are described below.

Household Column Adjustments

The PCE (personal consumption expenditures) column in the open I-O model shows the total personal consumption expenditures, but not the total expenditures because it excludes household expenditures for taxes, personal interest payments, and savings.

When the PCE is modified to include payments for taxes, interests, and savings, it is called the household sector. By identity, the total household expenditure equals the total household or personal income.

In 1967, the open I-O model (A-1) shows that the total PCE was $490,660 million.* On the other hand, in the same year, the total personal income was reported to be 629,626 million. (See Appendix Table D-1) Therefore, the difference between the two, $138,966 million may be regarded as the amount of taxes, personal interest payments, and savings in that year. This $138,966 million is then placed at the intersection of the Value Added row and household sector column. (See Figure D-1)

*This figure is "unadjusted" figure and slightly different from the data shown on Table D-1.

Appendix Table E-1

Personal Income, U.S.A. 1967 and 1972
(In $Million)

	1967	1972
Personal Consumption Exp.	490,358	733,034
Personal Income	626,626	942,536
Personal tax & non tax payments	82,078	141,237
Disposable Personal Income	544,548	801,299
Personal Outlays	503,679	751,929
Personal Savings	40,869	49,370
Indirect Business Taxes	65,367	104,604
Total Employee Compensation	471,915	715,145
Proprietors' Income	60,974	76,138
Rental Income	19,376	21,543
Corporate Profits	79,261	92,081
Net Interests	24,279	47,028
GNP	796,312	1,171.121

Source: National Income and Product Accounts

Figure D-1 CLOSED I-O MODEL

		PROCESSING SECTOR			FINAL DEMAND SECTOR			
		Livestock	. . . . .	Household	Export	Gov.	Total F. D.	Total Output
PROCESSING SECTOR	1 Livestock							
	52 Household	5,014		4,701	2,830	81,654	-	629,300
PRIMARY SECTOR	Adjusted Value Added	3,073		138,640	-	-	-	304,739
	Total Input	8,087		629,300				

New Household Sector Row

A new household sector row ($HHLD_j$) shows the amount of household income received from the industry j listed on the top of the I-O table. The row total equals the household income, or $629,300 million in 1967.

In order to estimate $HHLD_j$, we must add the employment compensation (EC_j) received from the industry j and the share of property-type income (PTI_j). EC_js are found in the I-O table, but PTI_j' must be estimated as shown below:

$$HHLD_j = EC_j + PTI_j'$$

$$= EC_j + (PTI_j)(PTI_j')/(PTI_j)$$

In 1967, the total personal income was $629,300 million, and the total employee compensation was $471,100 million according to I-O table. The difference between the two, $158,200 million, can be regarded as the estimated total property-type income received by the household sector (PTI'j). In the same year, the total property-type income (PTI_j) was $254,060 million according to the I-O table. This means that 62.3% (158,200/254,060) of total property-type income was, on the average, received by the household sector to be included in their personal income. This average percentage is uniformly multiplied to PTI_j to estimate PTI_j'.

For example, for sector 1 (livestock), PTI_1=$6,108 million. 6,108 x .623 = 3,803 is PTI'_1. Therefore, $HHLD_1$ = 1,211 + 3,803 = 5,014.

The intersection of the household sector column and its row is $4,701 million, which represents the amount of labor services household purchased from other households. This includes domestic services, yardwork, and so forth. This amount is found in the I-O table under "household industry, sector 86". (BEA I-O table)

The row's intersection with the columns of the final demand sectors report how much each of these sectors contribute to the household sector's total income. Where the household sector row intersects the export sector's column, the figure ($2,830 million) shows how much income the household sector received from foreign sources. The amount $2,830 million, in 1967, is derived by adding 45 (EC from sector 85, Rest of the World Industry) and 62.3% of property-type income ($4,472 x .623 = 2,785).

In a similar manner, where the household sector's income row intersects the Government sector column, it reports how much the government sector contributed (usually in the form of payrolls and transfer payments) to the total household income. In 1967, the amount is reported to be $81,654 million under Sector 84, or Government industry. When we sum up all the row entries, they should equal $629,300 million.

Value Added Row Adjustments

VA=EC+IBT+PTI where IBT stands for indirect business taxes, and PTI, property-type income. Since ECs are completely transferred to the HHLD row, and 62.3 percent of PTIs were also transfered to HHLD row, VA row has to be adjusted. The adjusted value-added row $(VA')=IBT_j+ PTI_j - PTI_j'$. For example, $VA_1=768 + 6108 (1-.623)=3,073$.

The intersection of the adjusted valued-added row and the household sector column will show $138,640 million. In 1967, $VA_j'=$304,739 million, including the $138,640.

Table B-2 Direct Requirements Per Dollar of Gross Output (Closed Model)

Table B-3 Direct Employment Requirements Per Million Dollar of Gross Output (Closed Model)

Both tables are similar to Tables A-2 and A-3 except the household sector is included in the processing sector. For explanation, see tables A-2 and A-3.

Table B-4 Direct, Indirect, and Induced Output Impacts Per Dollar Delivery to Final Demand

This table shows the direct, indirect, and induced output changes due to a one-dollar change in the output of an industry. Each c_{ij} is a miniature multiplier which takes into account the repercussionary effects of the secondary rounds of consumer spending in addition to the direct and indirect interindustry effects. The c_{ij} matrix is derived by inverting (I-A*), where A* is a technical coefficient matrix (as shown in Table 13-2) which includes the household row and column . . . making the household sector endogenous.

The column sum (row 53) constitutes the total output multiplier which includes direct, indirect and induced impacts. This multiplier is dubbed the Multiplier II or Type II multiplier in contrast to the Multiplier I which measures only direct and indirect impacts.

Type II multipliers tend to be considerably larger than Type I multipliers. The ratio of the Type II to Type I multipliers remains more or less constant from sector to sector.

Table B-5 Direct, Indirect, and Induced Employment Impacts Per Million Dollar Delivery to Final Demand

This table presents Type II multipliers for employment impact. They measure the employment impact of direct, indirect, and induced effects due to changes in a million dollar 's worth of gross output of an industry.

Sectoral Type II multipliers are derived by dividing the column sum (row 53) by labor-output ratio (row 54). They can be found in row 55.

In the basic I-O model the technical input coefficients show the amount of inputs (in dollars) required from each industry and sector to

produce a dollar's worth of output of a given industry.

Leontief has written that "the technical structure of each industry can be described by a series of technical input coefficients-one for each separate cost element." For example, labor input coefficients can be calculated. These coefficients show labor inputs (in person-years) required per unit of output. From a table of labor coefficients one can derive the estimated employment effects of any given change in the final demand. As with the basic technical coefficients, labor coefficients can be calculated for both direct, indirect, and induced effects upon employment.

In the short-run one may assume that the labor coefficients are stable because of the absence of major changes in the product-mix. But it is likely that in the long-run labor input coefficients will be less stable than the basic technical coefficients.

Application of Type II Multipliers

The application of I-O impact tables poses an interesting question. Can the magnitude of impacts be the same when an industry is growing or declining?

It is generally believed that the magnitude of direct and indirect interindustry impacts are the same for both growth and decline processes. Therefore, in the growing period of an industry, its direct and indirect impacts would be felt by all other industries in the form of increased outputs or employment. Similarly, when this particular industry is declining, the identical amount of output or employment of economy would decline.

In contrast, the induced impacts will be considerably different in magnitude between growing and declining processes. When an industry grows, it is likely that it would generate the induced impacts as shown in the B-series I-O tables. However, in the declining process, the income of household sector is not likely to diminish to the same extent as it grew in the growth period. This is because of the built-in system of unemployment compensations or other income transfer systems as well as the application of personal savings. These savings would prevent drastic reduction in expenditure even if individuals were unemployed. As Duesenberry noted, there is a lag between the adjustment of consumption and declining income. This is the famous ratchet effect. During a boom consumption increases, but as income declines, consumption does not decrease to previous levels. The "ratchet" keeps the economy from slipping back all the way and losing all the gains in income acquired during the preceding boom."* Obviously, the application of the induced impact requires much caution.

The full induced impacts may be felt in isolated regions and local areas when the unemployed workers and their families leave the areas. For example, the permanent closing of a shipyard with no long-run prospect of new industries to rehire the unemployed shipyard workers would make them leave the area to seek opportunities elsewhere. This would ultimately lead to a severely depressed local or regional economy in which the entire direct, indirect, and induced impacts would be felt. Just as a "new" town can be created in a growing economy, a ghost town can be also created.

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APPENDIX F

C-SERIES MARAD I-O TABLES

There are seven C-series I-O tables as shown below. These tables are different from the A- and B-series tables because the water transporation or ship-operating industry is disaggregated into two sectors: U.S. Merchant Marine (shown as row and column 61), and Foreign Ships (shown as row and column 62) instead of five subsectors (rows and columns 34 through 38) as shown in A- and B-series tables.

As it was noted in Appendix B, the U.S.Merchant Marine Sector consists of all the U.S. shipping companies serving both foreign and domestic trade.

In the BEA-model I-O tables as shown in the A- and B-series, sectors 34 (Deepsea-Foreign transportation) and 36 (Great Lakes - St. Lawrence Seaway transportation) include foreign flag services for carrying U.S. imports and passengers (called transferred imports) in addition to U.S. flag services. To obtain the total value of domestic flag carriers the amount of transferred imports is subtracted from the total output of sectors 34 and 35. Appendix Table F-1 presents the "1967 Transferred Imports" for the BEA 85-sectors.

For the remaining ship-operating sectors,numbers 35, 37, and 38 (Deepsea Domestic transportation, Rivers and Canals transportation, and Local Water transportation), U.S. law prohibits foreign carriers in domestic waters. All three sectors are serviced by the U.S. carriers and are included in U.S. Merchant Marine sector.

The practice of treating foreign firms as if they are domestic firms in the BEA I-O table is designed to facilitate the computation of the table of technical input-output coefficients. If this was not done, the technical requirements of production would make a misleading distinction between American goods and foreign goods which are of identical physical nature.

In the C-series I-O tables, U.S. Merchant Marine and Foreign Ships sectors are separately shown. We can distinguish that part of transportation services rendered by domestic ship-operating firms from those by foreign firms, and still calculate the "correct" technical coefficients of production.

All seven C-series MarAd I-O tables can be read as explained in the A- and B-series tables. Besides displaying transaction tables, they contain the tables for direct, direct-indirect, and direct-indirect-induced impacts of the U.S. Merchant Marine on outputs and employment of U.S. industries.

1967 TRANSFERRED IMPORTS

(HUNDREDS OF THOUSANDS OF DOLLARS)

CON I/O IND	I/O PRODUCING INDUSTRIES 80.02 FOREIGN PORT VALUE	69.01 DUTY	65.04 VESSEL FREIGHT	65.05 AIR FREIGHT	70.04 OCEAN INSURANCE	DOMESTIC PORT VAL
01	1816	273	87	(****)	13	2189
02	3333	453	283		14	4083
03	5050	69	333		32	5484
04	50	3				53
05	5398	8	863		42	6311
06	3179	83	524		24	3810
07	20		1			21
08	10761	433	959		97	12250
09	1113	12	86		6	1217
10	899	48	40		5	992
13	595	117	39		3	754
14	13376	932	1034		82	15424
15	176	56	8		1	241
16	3898	1059	304		20	5281
17	3837	352	274		21	4484
18	501	118	24		1	644
19	11	1				12
20	7578	452	1414		46	9490
21	23	1	4			28
22						
23	309	10	6		2	327
24	13658	78	370		100	14206
25	25	3				28
26	190	13	5			208
27	6372	607	373		30	7382
28	1237	199	82		4	1522
29	1137	136	68		5	1346
30	6					6
31	10181	240	890		79	11390
32	1967	223	71		10	2271
33	696	72	41		3	812
34	126	14	5			145
35	948	174	116		2	1240
36	1760	160	135		7	2062
37	14200	965	996		92	16253
38	19840	458	1172		155	21625
39	57	6	4			67
40	541	64	35		2	642
41	1139	93	74		5	1311
42	2926	370	165		12	3473
43	773	43	25		4	845
44	2669	1	81		20	2771
45	834	82	26		5	947
46	220	22	6		1	249
47	2747	396	92		16	3251
48	2595	282	76		11	2964
49	1969	235	60		11	2275
50	16	3				19
51	1683	181	60		12	1936
52	134	14	3			151
53	1891	230	85		13	2219
54	101	10	3		1	115
55	601	82	27		3	713
56	6770	765	236		53	7824
57	1511	184	50		9	1754
58	941	98	24		4	1067
59	5954	157	106		46	6263
60	1600	64	48		12	1724
61	1699	162	52		11	1924
62	1415	344	66		8	1833
63	1825	318	83		13	2239
64	5458	879	229		38	6604
65	13632					13632
66						
68	1451					1451
69						
70	200					200
71						
72						
73						
75						
76						
81	3560					3560
82						
83	5895	11	250		50	7206
85	17630					17630
TOTAL	225703	12918	12573		1256	252450

(****) AIR FREIGHT MARGIN IS CONTAINED WITH VESSEL FREIGHT MARGIN.

Table F-1

1967 Transferred Imports

(BEA sector numbers are shown.)

APPENDIX G

D-SERIES AND OTHER MARAD I-O TABLES

Altogether, twelve D-series MarAd I-O tables are presented. These are not the full tables but show only maritime industry related column sectors, i.e., sectors 30, 34, 35, 36, 37, and 39. Various output and employment impacts of disaggregated maritime industrial sectors on the GNP (value added) and on its three components, EC, IBT, and PTI are presented in these tables. Multipliers appear on row 54 of each table.

Twelve E-series tables show the impacts of U.S.Merchant Marine (Sector 61) and Shipbuilding industries (Sector 30) on the GNP and on its three components, EC, IBT and PTI.

There are two F-series tables. Table F1 is the interindustry output impact table exhibiting the output impacts give (reading by columns) and impacts received (reading by rows). Table F2 is a similar table showing employment impact given and received. In F tables, only direct and indirect impacts are measured.

G-series tables measure not only direct and indirect impacts but also induced effects. G1 displays the output impacts while G2 presents employment impacts.

APPENDIX H

TRANSPORTATION MARGINS

The transportation rows in I-O tables may be treated either of two ways. The usual treatment--which we will call input markup margins --is used by the BEA. The other treatment could be called product-hauled margins. This method was used in INFORUM-based MarAd I-O tables. In either case, the transportation entries are shown on a margin basis. They represent the difference between the producers' value and the purchasers' value of a product which results from transporting the product. In order to explain the product-hauled treatment, we should discuss the usual treatment first.

The transportation rows in the input margin treatment show the transportation charges for all materials purchased by an industry. For example, transportation of coal to utilities by rail is shown in the Rail row, Utility column (along with Rail transport of other utility inputs). In other words, the entry in the transportation row of any column shows the value paid to the transportation sector to transport all the inputs into the product of that column. This treatment guarantees the equality of each column sum in the input-output matrix to the coresponding row sum both in producer prices.

*This appendix is based on the INFORUM Research Memorandum #36.

The transportation rows of the product hauled treatment show the transportation charges for each output moved, regardless of purchaser. The transportation of coal by rail to all users is shown in the Rail row, Coal column. The final demand matrices contain no margin entries for transportation; only direct purchases of transportation. This method destroys the equality of the column and row sums. Therefore, the coefficients obtained by dividing a column by the value of the output of the industry do not add up to unity.

Table H-1 illustrates the two methods with a hypothetical transportation charge matrix. The numbers across the rows in Table 1 show the transportation charges needed to move a product to different purchasers. Down the columns, the numbers show the transportation cost paid by a purchaser to get various inputs from different producers. The row sums of Table H-1 are the total product-hauled flow of transportation, shown also as a row at the bottom of the table. The column sums are the input markup margins of transportation. If we divide the markup margins by total output of the sector we get the transportation coefficients of the input markup basis. Also, the product-hauled coefficients can be obtained by dividing the row sums of the table by the sum of gross output and imports. (The reason why we include imports will be explained at the end of this note.)

Each treatment has an advantage and a disadvantage. In order to forecast prices using I-O tables, we need a table on the input margin basis because the producer's prices should be calculated from the costs to the producers. But this treatment has a weakness in forecasting transportation requirements. The forecast of transportation depends mainly on the final demand changes and on the coefficient changes in the transportation row. The different treatments of transportation rows do not make much difference in forecasting the impact of changes in the final demands, but they are very important in forecasting the coefficient changes. It is much more difficult to forecast the transportation row coefficients in an input-margin table than in a product-hauled table. In the margin treatment for instance, the coefficient in the Truck row of the Automobile column is the sum of all transportation flows of different inputs transported by truck for automobile output. The changes in the mode of transportation of the different inputs into Automobiles could be very different from each other. Also, even if the transportation technologies of different inputs remain the same, the changes of the input mix make it complicated to forecast the coefficient change in the transportation row.

It is easier to forecast the coefficient changes if the transportation rows show the transportation requirement for only one product of each column. To stay with our example, if the Truck row of the Automobile

Table H-1. Transportation Charge Matrix
(Hypothetical)

From / to Product	Agriculture	Coal	Manufacturing	Electricity	Final Demand	Row Total
Agriculture	1	0	12	0	6	19
Coal	1	0	3	15	2	21
Manufacturing	10	5	20	1	13	49
Electricity	0	0	0	0	0	0
Imports	3	2	5	0	4	14
Input-Margin transportation row	12 15	5 7	35 40	16 16	21 25	89
Product-hauled transportation row	19	21	49	0	0	

column shows the trucking used to distribute automobiles, we only have to worry about how the technology of transporting automobiles changes in order to forecast the coefficient. Since transportation modes are usually determined by shippers rather than by receivers, the product-hauled treatment is necessary to forecast transportation requirements.

The weakness of the product-hauled treatment is that it should not be used for price projection. Because the input markup margin I/O table is needed for the price forecast, when the product-hauled type I/O matrix is used for forecasting, the INFORUM model will first forecast the coefficients on the product hauled basis, and convert the product-hauled matrix into the input markup margin matrix. For the 1972 MarAd I/O table "forecasts", the constant transportation coefficients are assumed in forecasting the prices. However, the conversion were made using the BEA transportation charge matrix. From the forecasts of the coefficients we can get the total requirements of a transportation mode to move a specific product. For example, we can calculate the row sums in Table 1 by multiplying the output of all industries to the forecasted changes in the coefficients. Then, using the constant distribution ratio across the rows in Table 1, we can distribute the new row sums in each cell across the row in Table 1. Summing these numbers down the column, we can generate a new input markup margin type I/O coefficients for price forecasting.

We can state these two methods more formally. On an input-margin basis, the transportation coefficients can be expressed as:

$$a_{ik} = t_{ik}/Q_k$$

where $$t_{ik} = \sum_{j=1}^{200} F_{ikj}$$

F_{ikj}=domestic transportation cost of material j to k industry by i transportation industry

Q_k=domestic output of industry k

i =Rail, Trucking, ..., Water Transportation

j,k =all INFORUM sectors

On a product hauled basis,

$$a_{ij} = T_{ij}/(Q_j + M_j)$$

$$T_{ij} = \sum_{k=1}^{200 + FD} F_{ikj}$$

M_j=imports

FD=final demands

Q_j, i, k, j are same as above.

As noted in the formulas, the transportation entries of a column are divided by the sum of domestic output and imports in the product hauled basis. An example is helpful to understand why imports are included in the denominator. Assume that we produce $100 of iron ore domestically and import $100 of foreign iron ore, and that all $200 of iron ore goes to the steel industry as inputs. Also, that it costs $20 to transport all iron ore by rail. It is true then that the steel industry produces $1,000 worth of steel. On the input markup margin basis, the Rail row, Steel column will be 20/1,000. The denominator is domestic output of steel industry. On the product-hauled basis, the Rail row, Iron ore column will be 20/200. If we use 100 as the denominator, we neglect the transportation of $100 of imported iron ore. Therefore, we should use the sum of domestic output of iron ore and imported iron ore as the denominator.

APPENDIX I

INFORUM-BASED
MARITIME ADMINISTRATION I-O TABLE

In addition to the BEA-based MarAd I/O table, INFORUM-based I/O Tables were prepared.

The INFORUM (Interindustry Forecasts Model of University of Maryland) is a 200-industry dynamic input-output model which is capable of projecting the American economy by industrial sectors. The INFORUM was developed by Dr. Clopper Almon, Jr. and his associates and the model descriptions can be found in their book entitled: 1985 Interindustry Forecasts of the American Economy, Lexington, Mass.: D.C. Heath and Co., 1974.

Differences between INFORUM and BEA

There are a few fundamental differences in the BEA and INFORUM constructions of I-O tables. The major differences are listed below:

1. Transportation

INFORUM-based MarAd I-O tables show product-hauled transportation margins in contrast to input-margins of the BEA-I/O tables. See Appendix H.

2. Imports

In the BEA I/O table, competitive and noncompetitive imports are treated differently. The domestic port values of the competitive imports were added to the outputs of the domestic industry producing similar goods. This sum was then distributed as part of the total output of these industries. To provide for this addition to the output, the industry was shown as making fictitious purchases from the import row and the trade, transportation, and insurance industries responsible for bringing the import to the domestic port (the competitive import row are the imports in foreign* port prices). The noncompetitive imports are shown as being purchased directly by the consuming industry. All imports purchased by the final demand sectors, regardless of whether competitive, were directly allocated to the appropriate final demand categories.

INFORUM treats the competitive imports differently from the BEA. The INFORUM outputs are purely domestic outputs. The competitive imports are not included as a part of the outputs. Therefore, the competitive import row plus transportation and trade margins of the competitive imports were moved into an import column with a negative sign which makes the row sum equal to only domestic output. Accordingly, the import figures on that column will be in domestic* port prices.

*Thus adding freight insurance trade becomes domestic port value.

Further explanation about the imports of transportation is needed. For instance, let's say that U.S. imports $100 worth of foreign port value steel and that it costs $10 to be transported by a foreign ship. In that case, the BEA table shows $100 in the Steel column, Transferred Imports row, and $10 in the Steel column, Water Transportation row. The INFORUM table moves both of them to the Import column and Steel row so that it shows a $110 Domestic port value in that cell. The reason why we include the transportation cost of foreign ships in the cell is to make the Steel row sum consistent in the sense of producers' prices. (Also, $10 imports will show in negative sign because it is the import of foreign ship services appears in the Water row and import column.) By doing this, we subtracted the transportation margin twice: First in the Steel row and next in Water Transportation row. Therefore, we add $10 in the Water row and import column to offset the double counting. In addition, we add the transportation margins of imports directly allocated to the PCE besides or plus some other final demands. Thus, the actual number in the foreign deep sea row and import column was derived by adding the total transferred imports of outputs (1192.6) and the directly allocated imports margin ($373.6) and then subtracting the transferred imports of inputs ($1188.1).

Secondary Product

The BEA method leaves a secondary product where it occurs, and adds it to the output of the primary industry. The secondary production of an industry is treated as if sold to the primary industry where it becomes part of the output available for distribution. But, INFORUM 'purifies' the BEA table by moving the secondary product to its primary industry. For the detail of the INFORUM method, see 1985: Interindustry Forecasts of the American Economy, by C. Almon, et. al.

Comparison of BEA- and INFORUM-based I-O Tables

As shown on Table I-1, the magnitude of multipliers estimated by BEA- and INFORUM-based I-O tables do not significantly differ. But one may notice that in Direct Requirement Table of INFORUM-based I-O tables, the column sum does not equal to unity.

Appendix Table I-1

Comparison of Multipliers Between
BEA-based and INFORUM-based I-O Tables

Sectors	Output Multipliers				Employment Multipliers			
	Type I		Type II		Type I		Type II	
	BEA	INFORUM	BEA	INFORUM	BEA	INFORUM	BEA	INFORUM
30	2.05	1.94	6.88	6.68	1.72	1.67	4.13	3.98
34	1.65	2.05	3.99	5.74	2.72	2.75	6.51	6.78
35	2.00	2.01	5.94	5.84	2.59	2.47	6.17	6.03
36	1.56	1.75	5.04	5.34	1.97	1.91	5.86	5.75
37	1.99	2.07	6.17	6.22	2.21	2.18	5.54	5.59
38	1.46	1.56	5.84	5.93	1.31	1.38	3.30	3.57
39	1.70	1.58	5.86	5.23	1.45	1.30	3.19	7.89

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1967 MarAd I-O Tables
(A Series)

TABLE A1, MARAD I-O TABLE OF U.S. ECONOMY, TRANSACTIONS 1967 (IN $ MILLION OR PRODUCERS" PRICES)
TABLE A2, DIRECT OUTPUT REQUIREMENTS FER DOLLAR OF GROSS OUTPUT
TABLE A3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION
TABLE A4, DIRECT, AND INDIRECT OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND
TABLE A 5, DIRECT AND INDIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	5610,3	1448,2	265,7	0,0	0,0	0,0	0,0	0,0	0,0	19777,1
2	OTHER AGRICULTURAL PROD,	8379,4	904,6	612,4	0,0	0,0	0,0	0,0	82,7	0,0	8304,9
3	FOREST AND FISH PRODUCTS	603,2	1334,8	78,9	0,0	0,0	0,0	0,0	180,0	0,0	422,6
4	IRON ORES MINING	0,0	0,0	0,0	91,9	4,4	0,0	1,5	0,0	0,0	0,0
5	NONFERROUS ORES MINING	0,0	0,0	0,0	33,2	217,7	0,0	7,4	0,0	0,0	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	373,8	1,1	0,0	0,0	0,0
7	OTHER MINING	5,7	132,1	0,0	9,1	7,6	0,3	542,1	930,3	2,5	53,4
8	CONSTRUCTION	233,1	369,9	0,0	30,1	15,6	476,2	49,7	29,6	24,4	264,4
9	ORDNANCE AND ACCESSORIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	768,0	0,0
10	FOOD PRODUCTS AND TOBACCO	3694,3	0,0	67,8	0,0	0,0	0,0	0,0	0,0	0,0	16493,0
11	TEXTILE AND APPAREL	10,3	81,2	109,5	2,0	0,1	4,8	31,2	279,2	25,6	145,1
12	LUMBER AND WOOD PRODUCTS	2,7	107,3	12,7	3,6	10,8	0,0	23,9	5528,0	77,9	123,8
13	PAPER AND PRODUCTS	16,9	4,5	122,9	0,3	0,5	1,1	25,6	292,3	74,5	2685,8
14	PRINTING AND PUBLISHING	6,1	10,2	0,5	0,3	0,2	0,6	0,3	2,0	1,5	538,5
15	CHEMICALS AND PRODUCTS	75,1	2296,7	23,2	27,5	50,4	163,8	125,3	154,2	239,6	417,4
16	OTHER CHEMICAL PRODUCTS	53,7	0,0	2,5	0,0	0,0	8,9	0,1	1523,3	1,7	289,8
17	PETROLEUM REFINING	167,0	905,4	40,7	4,3	5,4	33,0	111,7	2023,8	26,2	220,1
18	RUBBER AND PLASTICS	36,5	164,7	2,5	14,5	8,6	34,1	64,2	748,6	98,6	905,1
19	LEATHER AND PRODUCTS	9,1	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,5	1,6
20	GLASS AND PRODUCTS	5,6	0,0	0,3	0,0	0,0	0,0	0,0	254,8	1,5	1000,7
21	STONE AND CLAY PRODUCTS	2,2	24,6	0,6	0,9	2,8	83,0	130,7	6873,4	15,0	0,9
22	PRIMARY IRON AND STEEL	0,0	0,0	0,0	91,6	41,3	119,6	111,0	1761,2	523,4	13,1
23	PRIMARY NONFERROUS METALS	1,3	1,2	0,0	3,8	1,0	0,0	14,1	2364,1	298,9	5,3
24	MTNG,PLMG,AND STRL, METAL	0,0	0,0	0,0	0,2	0,1	48,4	6,2	9090,5	5,4	0,0
25	OTHER FABRICATED METALS	73,2	54,1	62,3	4,3	9,2	62,5	69,1	1985,0	266,9	2419,2
26	ENGINES AND TURBINES	0,0	0,0	4,7	4,0	8,8	48,6	39,0	91,8	5,7	0,0
27	MACHINERY AND EQUIPMENT	12,6	304,4	0,4	28,3	76,8	227,8	183,4	955,1	251,1	250,3
28	OFFICE MACHINES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	795,1	15,0	0,0
29	OTHER ELECTRICAL EQPT,	13,7	39,8	1,8	2,0	1,5	171,1	16,8	2508,2	526,8	6,4
30	SHIPBUILDING AND REPAIR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
31	OTHER TRANSPORT EQPT,	7,0	13,9	16,9	5,7	2,2	0,0	0,7	5,2	1313,5	4,2
32	INSTRUMENTS	0,0	0,0	0,2	0,2	0,4	9,3	0,0	303,6	178,1	13,7
33	MISCELLANEOUS MFG,	2,1	2,1	4,3	0,3	0,6	0,3	0,9	201,8	4,6	8,9
34	DEEPSEA FOREIGN	8,4	21,5	27,5	86,3	52,4	95,9	12,1	0,0	3,5	181,1
35	DEEPSEA DOMESTIC	5,8	26,4	1,0	0,2	0,0	2,9	2,4	47,9	1,5	20,5
36	GREAT LAKES TRANS,	3,1	4,1	0,1	2,4	0,0	0,4	0,3	27,8	0,0	6,6
37	RIVER AND CANAL TRANS,	20,4	13,7	0,6	0,6	0,3	0,7	1,6	16,0	0,8	43,2
38	LOCAL WATER TRANS,	0,0	0,3	0,2	0,0	0,0	0,0	0,0	0,2	0,0	4,6
39	SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40	OTHER TRANS, AND STORAGE	652,5	385,7	37,4	13,6	12,5	46,1	52,2	2521,7	82,9	2370,2
41	COMMUNICATIONS	75,3	70,5	0,0	2,1	2,7	12,4	10,4	338,7	103,4	301,9
42	UTILITIES	96,7	204,5	2,7	48,8	40,6	172,1	186,6	73,7	52,6	645,9
43	WHOLESALE/RETAIL	1332,5	1527,0	76,1	18,2	27,7	174,7	134,4	8225,3	267,4	3342,7
44	FINANCE INS, AND R,E,	732,2	2375,3	110,8	142,1	73,9	2522,0	355,6	1358,3	75,0	1146,0
45	SERVICES	589,3	1380,2	6,2	63,9	25,1	264,6	214,2	5433,0	310,1	3879,5
46	GOVERNMENT ENTERPRISE	4,1	4,1	0,7	1,3	1,4	6,3	5,0	65,7	13,8	93,4
47	NONCOMPETITIVE IMPORTS	0,0	0,0	36,4	0,0	0,0	0,0	0,0	101,4	0,0	1318,1
48	COMPETITIVE IMPORTS	182,0	333,3	510,0	539,8	317,9	1076,1	203,2	0,0	59,5	1355,5
49	DUMMY INDUSTRIES	28,9	40,6	28,3	10,4	13,3	178,9	48,3	738,8	159,5	464,2
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	EMPLOYEE COMPENSATION	1210,7	2169,0	829,6	251,9	422,6	882,0	2155,4	36857,7	4097,1	13784,6
53	INDIRECT BUSINESS TAXES	768,0	937,0	75,0	49,0	55,9	735,0	137,0	580,0	73,0	6556,9
54	PROPERTY TYPE INCOME	6107,1	10847,0	1433,4	205,0	132,8	6793,6	1469,8	8137,6	689,0	7510,8
55	TOTAL	30037,7	28539,9	4415,4	1743,7	1640,0	15731,6	6544,9	143284,0	10734,0	97391,0
56	EMPLOYMENT	1737,0	2123,0	318,0	25,6	53,6	273,8	256,4	5985,0	317,2	1872,8

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	260,2	0,0	0,0	0,0	0,0	11,9	0,0	0,0	14,5	0,0
2	OTHER AGRICULTURAL PROD,	1177,6	123,3	0,0	0,0	56,2	58,1	0,0	0,0	0,0	0,0
3	FOREST AND FISH PRODUCTS	165,4	1001,5	0,0	0,0	12,5	2,7	0,0	0,3	0,0	0,0
4	IRON ORES MINING	0,0	0,0	0,0	0,0	47,1	0,0	0,0	0,0	0,0	0,0
5	NONFERROUS ORES MINING	0,0	0,0	0,0	0,0	70,7	0,0	0,0	0,0	0,0	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	49,2	0,0	11556,1	0,0	0,0	0,0
7	OTHER MINING	20,1	7,7	153,0	0,7	738,7	37,7	73,3	58,7	2,1	48,3
8	CONSTRUCTION	90,9	93,7	145,2	78,6	161,0	60,3	303,4	102,6	7,7	31,7
9	ORDNANCE AND ACCESSORIES	0,0	16,2	0,0	4,4	11,0	0,0	0,0	2,4	0,0	0,0
10	FOOD PRODUCTS AND TOBACCO	46,8	6,1	134,8	0,0	193,5	382,9	30,8	56,4	262,4	0,0
11	TEXTILE AND APPAREL	20071,0	511,0	241,3	110,3	30,5	15,0	2,7	868,8	338,9	4,6
12	LUMBER AND WOOD PRODUCTS	28,0	4875,0	1202,3	10,1	55,3	6,6	1,5	55,9	48,5	55,8
13	PAPER AND PRODUCTS	382,2	210,3	5574,0	3385,9	346,1	455,4	159,8	647,8	96,5	225,8
14	PRINTING AND PUBLISHING	20,1	5,3	172,9	2434,0	4,6	28,7	2,7	9,7	3,1	0,8
15	CHEMICALS AND PRODUCTS	508,1	176,8	762,7	405,6	4407,0	1981,2	623,3	3443,7	60,1	87,5
16	OTHER CHEMICAL PRODUCTS	45,4	174,0	34,2	15,7	381,3	759,0	98,4	136,7	46,2	23,0
17	PETROLEUM REFINING	50,6	117,6	131,3	40,2	1800,1	99,2	1831,0	140,1	6,6	6,8
18	RUBBER AND PLASTICS	2972,2	425,1	549,2	140,6	770,3	749,3	62,0	3270,0	374,5	91,8
19	LEATHER AND PRODUCTS	94,5	6,6	2,4	1,4	1,1	0,2	0,6	29,1	1012,7	0,0
20	GLASS AND PRODUCTS	70,6	75,2	1,6	0,0	10,7	193,1	0,0	42,6	0,0	246,8
21	STONE AND CLAY PRODUCTS	28,8	124,4	32,9	0,0	60,6	31,6	58,1	65,7	1,8	63,6
22	PRIMARY IRON AND STEEL	0,1	391,5	34,6	10,3	184,3	12,9	8,4	47,7	0,0	0,0
23	PRIMARY NONFERROUS METALS	1,6	65,7	23,8	39,7	321,7	32,6	40,5	43,1	0,9	28,3
24	MTNG,PLMG,AND STRL, METAL	0,8	28,2	0,3	0,0	1,4	0,4	2,3	10,4	0,0	1,3
25	OTHER FABRICATED METALS	78,8	717,5	273,1	291,9	322,4	597,7	103,9	292,0	86,4	3,5
26	ENGINES AND TURBINES	0,0	0,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
27	MACHINERY AND EQUIPMENT	167,0	116,2	162,6	33,8	336,7	20,7	90,8	196,1	24,2	15,7
28	OFFICE MACHINES	2,7	19,5	3,8	0,6	3,8	1,5	0,0	2,3	0,0	0,4
29	OTHER ELECTRICAL EQPT,	18,6	35,5	14,6	11,5	25,6	7,5	12,0	24,1	3,5	8,3
30	SHIPBUILDING AND REPAIR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,0	0,0	0,0
31	OTHER TRANSPORT EQPT,	4,3	28,4	0,0	1,2	17,9	2,9	2,8	66,1	0,5	14,2
32	INSTRUMENTS	45,5	40,5	33,6	185,0	14,6	55,3	17,8	19,7	14,3	7,2
33	MISCELLANEOUS MFG,	365,5	41,1	15,9	36,3	19,8	14,0	0,8	94,2	41,4	6,7
34	DEEPSEA FOREIGN	57,8	142,6	36,9	0,3	36,8	9,6	89,0	26,0	3,3	11,1
35	DEEPSEA DOMESTIC	4,1	10,9	8,9	1,2	27,5	4,7	291,3	12,6	1,5	0,4
36	GREAT LAKES TRANS,	0,0	0,7	8,0	0,9	4,1	0,7	1,7	1,4	0,3	0,7
37	RIVER AND CANAL TRANS,	4,0	11,0	13,9	0,6	24,5	4,3	50,1	8,3	0,1	0,8
38	LOCAL WATER TRANS,	2,1	3,2	2,5	0,0	0,2	0,0	1,5	0,0	0,0	0,0
39	SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40	OTHER TRANS, AND STORAGE	468,3	429,6	731,5	251,8	518,1	223,5	955,3	366,2	60,9	95,3
41	COMMUNICATIONS	145,5	72,5	75,6	250,3	76,0	69,1	24,6	92,6	20,3	13,1
42	UTILITIES	331,6	179,4	393,7	120,8	698,5	66,9	461,5	271,9	30,0	135,5
43	WHOLESALE/RETAIL	1423,9	776,2	686,4	549,8	543,4	470,0	302,5	699,8	233,0	117,9
44	FINANCE INS, AND R,E,	716,9	352,8	406,1	1099,4	643,1	527,5	879,5	427,0	107,7	92,2
45	SERVICES	741,6	477,6	566,8	1055,7	736,0	2275,8	801,8	741,4	142,5	121,6
46	GOVERNMENT ENTERPRISE	76,5	19,9	21,8	280,0	42,2	26,4	16,7	18,8	14,4	4,7
47	NONCOMPETITIVE IMPORTS	62,2	2,3	0,0	2,6	40,7	46,3	2,0	190,8	7,5	0,0
48	COMPETITIVE IMPORTS	824,7	791,0	1368,3	19,0	637,2	114,3	1018,1	320,4	82,2	94,8
49	DUMMY INDUSTRIES	264,4	103,3	332,7	315,6	178,3	263,2	49,8	220,7	31,4	36,3
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	EMPLOYEE COMPENSATION	11884,8	5835,4	5506,1	8223,5	4260,1	3103,4	2206,2	5992,0	1712,3	1413,8
53	INDIRECT BUSINESS TAXES	223,0	173,0	218,0	102,0	211,0	111,0	3044,2	641,0	25,0	33,0
54	PROPERTY TYPE INCOME	3530,0	2575,7	2685,0	2605,8	4069,0	2560,4	1579,1	2474,0	415,8	662,0
55	TOTAL	47483,0	21392,0	22764,0	22118,0	23182,0	15496,0	20975,0	22253,0	5330,0	3801,0
56	EMPLOYMENT	2356,0	1052,2	679,1	1047,8	469,0	314,1	183,2	721,7	350,9	174,0

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
2 OTHER AGRICULTURAL PROD,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
3 FOREST AND FISH PRODUCTS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
4 IRON ORES MINING	9,7	1496,5	4,6	0,0	0,7	0,0	0,0	0,0	1,0	0,0
5 NONFERROUS ORES MINING	12,4	57,2	1052,3	0,0	0,0	0,0	0,0	0,0	6,8	0,0
6 CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
7 OTHER MINING	891,3	736,6	18,5	1,8	14,7	1,9	9,3	1,7	9,4	0,4
8 CONSTRUCTION	98,8	291,4	69,5	40,2	76,6	11,9	124,4	28,5	142,2	10,0
9 ORDNANCE AND ACCESSORIES	0,0	2,1	0,1	12,4	18,7	23,8	33,0	2,3	187,3	12,1
10 FOOD PRODUCTS AND TOBACCO	6,1	0,7	8,0	0,0	1,6	0,0	6,1	1,3	0,0	0,0
11 TEXTILE AND APPAREL	80,0	21,6	21,7	12,3	49,8	2,1	47,3	11,2	67,2	3,6
12 LUMBER AND WOOD PRODUCTS	32,6	80,4	85,4	73,3	132,9	1,2	104,8	31,2	368,9	24,7
13 PAPER AND PRODUCTS	262,9	27,3	33,1	78,9	331,7	14,1	72,7	72,6	497,7	1,4
14 PRINTING AND PUBLISHING	3,4	3,9	13,1	1,5	151,3	0,3	12,0	94,5	44,3	0,2
15 CHEMICALS AND PRODUCTS	203,8	392,1	184,4	13,7	171,4	1,7	36,5	19,2	316,8	0,4
16 OTHER CHEMICAL PRODUCTS	12,8	14,2	12,9	110,3	194,8	4,3	52,4	29,6	110,6	4,9
17 PETROLEUM REFINING	104,1	116,2	48,3	33,7	64,3	15,4	177,7	18,0	99,8	6,4
18 RUBBER AND PLASTICS	179,2	33,7	213,5	26,2	291,2	7,6	439,6	119,0	992,9	4,2
19 LEATHER AND PRODUCTS	3,2	2,6	5,6	0,2	6,3	0,8	7,9	1,2	9,6	0,1
20 GLASS AND PRODUCTS	3,3	2,0	0,8	55,8	23,1	0,0	5,6	1,1	428,3	5,2
21 STONE AND CLAY PRODUCTS	1231,0	112,7	39,4	38,3	82,6	33,4	290,0	55,0	268,1	15,0
22 PRIMARY IRON AND STEEL	124,9	6017,0	339,6	3018,4	5645,3	384,2	4232,4	393,5	1440,2	191,3
23 PRIMARY NONFERROUS METALS	25,7	859,0	6723,0	879,6	1528,9	195,1	1063,9	356,7	2040,4	93,3
24 MTNG,PLMG,AND STRL, METAL	10,7	67,7	6,5	298,0	112,9	12,7	348,4	148,7	76,1	144,9
25 OTHER FABRICATED METALS	129,2	667,0	246,1	625,1	1053,0	116,4	1354,7	439,8	1667,7	70,0
26 ENGINES AND TURBINES	9,2	6,0	5,7	28,9	22,9	283,3	575,5	5,0	120,4	129,8
27 MACHINERY AND EQUIPMENT	211,3	979,1	367,4	413,2	782,7	469,5	5386,0	352,0	794,4	218,4
28 OFFICE MACHINES	4,2	6,9	3,0	169,8	65,1	0,0	98,6	1211,0	357,2	2,5
29 OTHER ELECTRICAL EQPT,	40,4	323,9	264,1	174,1	123,7	161,1	1175,6	2134,6	8944,0	32,1
30 SHIPBUILDING AND REPAIR	0,0	0,2	0,0	47,5	5,1	13,2	32,1	0,0	0,0	17,7
31 OTHER TRANSPORT EQPT,	0,7	134,5	47,0	101,0	329,7	261,5	451,2	169,3	564,7	26,9
32 INSTRUMENTS	5,4	52,2	6,9	68,1	61,3	5,8	123,8	93,5	396,2	11,6
33 MISCELLANEOUS MFG,	41,0	10,9	16,7	3,1	46,5	0,0	24,2	25,6	80,8	0,2
34 DEEPSEA FOREIGN	12,9	99,6	115,3	3,5	22,9	2,1	30,1	4,2	31,0	0,0
35 DEEPSEA DOMESTIC	5,5	16,0	3,5	2,4	4,3	0,5	5,4	0,5	4,5	0,2
36 GREAT LAKES TRANS,	23,4	103,5	0,8	0,6	1,3	0,0	0,4	0,0	1,5	0,0
37 RIVER AND CANAL TRANS,	8,9	54,5	7,3	1,6	3,5	0,2	1,3	0,0	1,5	0,1
38 LOCAL WATER TRANS,	0,0	0,9	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
39 SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40 OTHER TRANS, AND STORAGE	599,3	1145,9	412,5	192,5	325,9	28,9	310,0	72,4	329,6	27,6
41 COMMUNICATIONS	57,3	95,2	44,0	75,2	98,6	16,1	218,0	65,3	323,7	14,3
42 UTILITIES	357,2	822,2	426,5	94,9	227,3	19,0	250,0	42,8	310,0	18,4
43 WHOLESALE/RETAIL	289,7	933,6	746,4	409,1	511,5	129,4	1280,5	451,8	1476,2	77,9
44 FINANCE INS, AND R,E,	297,7	261,6	268,4	256,5	397,2	35,3	893,5	371,3	952,1	26,6
45 SERVICES	352,4	897,7	303,8	311,8	560,2	72,8	944,0	299,8	1538,2	45,1
46 GOVERNMENT ENTERPRISE	17,5	25,4	11,8	11,3	19,0	3,5	41,9	11,7	61,2	2,6
47 NONCOMPETITIVE IMPORTS	0,8	0,0	63,0	0,0	0,0	5,2	24,3	0,0	86,2	0,0
48 COMPETITIVE IMPORTS	176,0	1420,0	1984,0	54,1	412,2	77,3	1105,0	181,7	1181,5	0,0
49 DUMMY INDUSTRIES	80,0	945,2	930,9	176,0	234,8	45,9	443,9	221,2	580,0	23,4
50 MISCELLANEOUS INDUSTRIES	0,0	0,0	0,1	0,0	0,0	0,2	0,0	0,0	0,0	0,0
51 INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52 EMPLOYEE COMPENSATION	3380,7	9175,3	3453,1	3436,0	7457,0	1003,8	13156,8	3151,2	10283,2	1115,2
53 INDIRECT BUSINESS TAXES	125,0	358,0	155,0	86,0	191,0	27,0	303,0	61,0	300,0	23,7
54 PROPERTY TYPE INCOME	1518,8	2854,7	2106,1	1079,0	3300,6	337,0	4153,6	1211,1	4587,1	155,0
55 TOTAL	11026,0	31723,0	20870,0	12510,0	25167,0	3025,2	39435,0	11961,0	48085,0	2557,4
56 EMPLOYMENT	466,0	916,7	405,4	483,2	879,9	104,4	1497,1	368,1	1958,9	140,0

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	4,1
2 OTHER AGRICULTURAL PROD,	0,0	8,5	10,1	0,0	0,0	0,0	0,0	0,0	0,0	41,0
3 FOREST AND FISH PRODUCTS	0,0	0,0	2,4	0,0	0,0	0,0	0,0	0,0	0,0	2,6
4 IRON ORES MINING	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
5 NONFERROUS ORES MINING	0,0	2,6	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
6 CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	25,5
7 OTHER MINING	19,4	3,2	6,0	1,2	0,4	0,1	0,2	0,1	0,7	5,8
8 CONSTRUCTION	181,3	38,3	23,3	26,9	9,4	2,3	5,1	2,2	14,6	1246,2
9 ORDNANCE AND ACCESSORIES	442,3	21,3	5,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0
10 FOOD PRODUCTS AND TOBACCO	0,0	12,5	19,0	1,6	0,6	0,1	0,3	0,1	0,9	162,6
11 TEXTILE AND APPAREL	849,6	111,0	247,1	22,4	7,7	1,9	4,1	1,8	12,0	96,0
12 LUMBER AND WOOD PRODUCTS	469,2	29,3	170,0	0,0	0,0	0,0	0,0	0,0	0,0	2,4
13 PAPER AND PRODUCTS	143,1	223,6	418,7	4,6	1,6	0,4	0,9	0,4	2,3	86,8
14 PRINTING AND PUBLISHING	7,6	4,6	34,7	0,8	0,2	0,0	0,1	0,0	0,3	48,2
15 CHEMICALS AND PRODUCTS	76,1	228,3	53,4	0,0	0,0	0,0	0,0	0,0	0,0	45,7
16 OTHER CHEMICAL PRODUCTS	192,7	59,2	58,6	12,9	4,5	1,1	2,4	1,0	7,0	39,6
17 PETROLEUM REFINING	170,1	15,1	28,3	68,5	23,8	5,8	12,8	5,5	37,2	1845,7
18 RUBBER AND PLASTICS	1193,1	243,3	582,2	5,5	1,7	0,4	0,8	0,4	1,5	277,5
19 LEATHER AND PRODUCTS	2,2	5,5	54,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0
20 GLASS AND PRODUCTS	370,6	60,2	32,6	6,2	2,2	0,5	1,1	0,5	3,4	27,5
21 STONE AND CLAY PRODUCTS	159,0	17,5	24,9	1,0	0,3	0,1	0,2	0,1	0,5	8,7
22 PRIMARY IRON AND STEEL	4253,9	186,4	246,1	23,6	8,3	2,0	4,4	1,9	12,8	207,7
23 PRIMARY NONFERROUS METALS	1602,0	398,9	371,3	22,2	7,7	1,9	4,1	1,8	12,0	16,7
24 MTNG,PLMG,AND STRL, METAL	173,3	9,8	6,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
25 OTHER FABRICATED METALS	4625,6	385,4	269,4	54,2	18,8	4,4	10,1	4,3	29,3	103,2
26 ENGINES AND TURBINES	468,3	0,0	0,0	3,2	1,1	0,3	0,6	0,3	1,7	57,3
27 MACHINERY AND EQUIPMENT	2698,1	166,7	32,3	19,4	6,6	1,7	3,6	1,5	10,5	113,8
28 OFFICE MACHINES	458,4	23,2	26,3	0,0	0,0	0,0	0,0	0,0	0,0	3,9
29 OTHER ELECTRICAL EQPT,	2159,3	673,6	135,8	3,4	1,3	0,4	0,6	0,5	1,8	120,6
30 SHIPBUILDING AND REPAIR	66,9	2,1	0,0	103,7	36,1	8,8	19,3	8,4	56,3	0,0
31 OTHER TRANSPORT EQPT,	17429,2	101,8	47,6	7,8	2,7	0,6	1,4	0,6	4,3	538,1
32 INSTRUMENTS	516,5	851,0	15,8	11,8	4,1	0,9	2,2	0,9	6,3	23,4
33 MISCELLANEOUS MFG,	48,2	41,9	589,0	2,6	0,9	0,2	0,5	0,2	1,3	10,5
34 DEEPSEA FOREIGN	19,4	9,8	20,3	0,0	0,8	0,0	0,0	0,0	0,0	0,0
35 DEEPSEA DOMESTIC	8,9	0,5	1,0	1,9	23,4	0,2	0,3	0,2	0,9	42,6
36 GREAT LAKES TRANS,	2,2	0,5	0,2	0,2	0,0	0,2	0,0	0,0	0,0	0,9
37 RIVER AND CANAL TRANS,	2,9	0,4	0,0	0,4	0,1	0,0	102,9	0,0	0,3	8,1
38 LOCAL WATER TRANS,	0,0	0,0	0,1	79,5	90,5	0,0	44,8	0,0	0,0	0,9
39 SERVICE TO WATER TRANS,	0,0	0,0	0,0	249,0	224,3	7,9	17,1	1,3	16,9	0,0
40 OTHER TRANS, AND STORAGE	874,1	61,1	113,6	122,9	56,8	14,4	27,1	5,8	28,6	4401,7
41 COMMUNICATIONS	277,8	76,7	45,5	16,2	5,7	1,4	3,0	1,2	8,8	468,6
42 UTILITIES	330,7	52,2	48,0	9,3	3,1	0,8	1,8	0,8	4,9	321,6
43 WHOLESALE/RETAIL	1598,5	370,0	420,9	99,2	13,2	2,9	6,8	2,6	20,2	1542,5
44 FINANCE INS, AND R,E,	801,7	225,9	209,0	94,3	32,7	8,2	17,8	7,7	56,1	1929,3
45 SERVICES	2092,2	446,3	362,0	76,3	26,6	6,4	14,2	6,2	41,4	1609,9
46 GOVERNMENT ENTERPRISE	78,6	15,2	20,1	12,6	4,4	1,0	2,7	0,9	237,8	1291,9
47 NONCOMPETITIVE IMPORTS	79,9	1,2	181,1	232,6	80,9	19,8	43,3	18,8	126,2	374,6
48 COMPETITIVE IMPORTS	925,3	324,0	545,8	1188,1	0,0	19,4	0,0	0,0	0,0	155,7
49 DUMMY INDUSTRIES	681,4	153,6	98,0	14,2	5,0	1,2	2,7	1,2	7,8	299,7
50 MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51 INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52 EMPLOYEE COMPENSATION	18402,2	3377,5	2719,4	360,5	224,2	60,6	198,6	149,8	679,8	19255,7
53 INDIRECT BUSINESS TAXES	2256,2	69,0	63,0	41,5	25,8	9,4	15,2	11,5	62,1	1643,4
54 PROPERTY TYPE INCOME	3805,9	1860,7	988,1	248,1	154,4	77,8	24,4	18,3	231,3	7503,8
55 TOTAL	70986,6	10970,0	9357,0	3190,3	1111,9	265,5	597,4	258,8	1735,8	46010,3
56 EMPLOYMENT	1808,5	450,1	428,4	53,7	33,4	6,5	20,5	15,5	113,2	2749,6

	41	42	43	44	45	46	47	48	49	50
1 LIVESTOCK AND PRODUCTS	0,0	0,0	[illegible]	1127,4	69,1	0,0	0,0	0,0	30,9	0,0
2 OTHER AGRICULTURAL PROD,	0,0	0,0	1[illegible]	1196,6	236,8	391,0	0,0	0,0	115,2	0,0
3 FOREST AND FISH PRODUCTS	0,0	0,0	138,5	160,2	24,9	1,2	0,0	0,0	50,1	0,0
4 IRON ORES MINING	0,0	0,3	4,2	3,6	0,0	0,0	0,0	0,0	0,0	0,0
5 NONFERROUS ORES MINING	0,0	0,7	4,8	10,1	0,0	0,0	0,0	0,0	0,0	0,0
6 CRUDE OIL AND NATURAL GAS	0,0	2521,4	0,0	164,7	0,0	0,0	0,0	0,0	0,0	0,0
7 OTHER MINING	0,7	895,6	7,8	71,8	16,5	145,0	0,0	0,0	0,0	0,0
8 CONSTRUCTION	573,2	1137,0	526,1	7293,9	1323,8	1771,2	0,0	0,0	0,0	0,0
9 ORDNANCE AND ACCESSORIES	0,0	0,2	37,9	10,8	0,8	0,0	0,0	0,0	44,0	0,0
10 FOOD PRODUCTS AND TOBACCO	0,0	1,8	904,8	145,7	504,4	120,9	0,0	0,0	3157,0	0,0
11 TEXTILE AND APPAREL	5,2	16,7	286,7	98,5	322,1	25,4	0,0	0,0	80,1	0,0
12 LUMBER AND WOOD PRODUCTS	0,0	1,0	249,2	39,7	10,5	0,0	0,0	0,0	3,7	0,0
13 PAPER AND PRODUCTS	22,1	36,7	1577,4	295,5	375,6	20,5	0,0	0,0	589,3	0,0
14 PRINTING AND PUBLISHING	41,5	7,3	378,6	571,1	10068,4	55,0	0,0	0,0	1573,4	0,0
15 CHEMICALS AND PRODUCTS	0,5	56,8	215,2	302,4	308,9	127,0	0,0	0,0	15,5	0,0
16 OTHER CHEMICAL PRODUCTS	1,1	0,3	325,2	115,2	1790,3	37,6	0,0	0,0	78,3	0,0
17 PETROLEUM REFINING	65,5	274,9	1375,2	811,3	767,1	140,7	0,0	0,0	11,6	0,0
18 RUBBER AND PLASTICS	24,2	24,8	738,8	177,6	993,6	41,3	0,0	0,0	26,2	0,0
19 LEATHER AND PRODUCTS	0,0	0,1	40,8	6,8	220,6	1,7	0,0	0,0	43,4	0,0
20 GLASS AND PRODUCTS	0,0	0,0	129,7	18,2	145,3	2,2	0,0	0,0	4,1	0,0
21 STONE AND CLAY PRODUCTS	0,1	0,7	158,4	36,9	249,1	5,0	0,0	0,0	2,6	0,0
22 PRIMARY IRON AND STEEL	0,0	40,5	37,0	61,7	10,7	8,4	0,0	0,0	211,1	0,0
23 PRIMARY NONFERROUS METALS	10,0	10,9	42,0	36,5	5,7	0,8	0,0	0,0	155,7	0,0
24 MTNG,PLMG,AND STRL, METAL	0,0	0,1	183,0	45,4	0,0	0,3	0,0	0,0	39,6	0,0
25 OTHER FABRICATED METALS	0,5	26,7	323,5	42,8	1944,6	15,6	0,0	0,0	197,3	0,0
26 ENGINES AND TURBINES	0,0	1,7	17,0	3,8	103,1	12,9	0,0	0,0	12,1	0,0
27 MACHINERY AND EQUIPMENT	0,2	37,4	367,1	295,5	964,1	16,5	0,0	0,0	84,6	0,0
28 OFFICE MACHINES	0,0	0,0	136,5	204,7	388,5	3,4	0,0	0,0	24,4	0,0
29 OTHER ELECTRICAL EQPT,	288,4	73,8	425,0	247,0	1048,7	4,3	0,0	0,0	235,4	0,0
30 SHIPBUILDING AND REPAIR	0,0	0,0	1,6	3,8	0,0	1,9	0,0	0,0	7,4	0,0
31 OTHER TRANSPORT EQPT,	3,3	2,7	194,4	173,0	1336,8	16,5	0,0	0,0	132,4	0,0
32 INSTRUMENTS	3,5	0,1	230,0	63,8	1011,6	5,2	0,0	0,0	248,1	0,0
33 MISCELLANEOUS MFG,	3,5	0,1	246,0	37,0	1107,4	2,5	0,0	0,0	462,1	0,0
34 DEEPSEA FOREIGN	0,0	0,0	0,0	0,0	0,4	82,6	0,0	0,0	54,3	0,0
35 DEEPSEA DOMESTIC	1,7	15,0	32,1	50,8	24,8	5,6	0,0	0,0	3,2	0,0
36 GREAT LAKES TRANS,	0,1	7,9	1,1	1,1	2,4	1,3	0,0	0,0	0,4	0,0
37 RIVER AND CANAL TRANS,	0,3	29,7	6,0	1,9	9,2	7,8	0,0	0,0	1,4	0,0
38 LOCAL WATER TRANS,	0,0	0,5	0,8	0,1	0,2	0,0	0,0	0,0	0,0	0,0
39 SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40 OTHER TRANS, AND STORAGE	40,8	509,4	1194,9	1157,4	839,0	1154,8	0,0	0,0	4626,9	0,0
41 COMMUNICATIONS	357,7	99,5	1769,3	1203,1	5250,6	63,1	0,0	0,0	0,0	0,0
42 UTILITIES	179,2	6903,5	2414,9	827,9	2234,8	1267,8	0,0	0,0	0,0	0,0
43 WHOLESALE/RETAIL	196,8	202,1	3381,9	2210,2	4370,5	187,8	0,0	0,0	749,3	0,0
44 FINANCE INS, AND R,E,	628,9	373,5	11082,0	17890,0	8864,1	606,5	0,0	0,0	5,0	0,0
45 SERVICES	1914,3	400,5	11100,6	8766,1	10415,0	645,9	0,0	0,0	1682,6	0,0
46 GOVERNMENT ENTERPRISE	91,3	5609,6	2380,1	2312,2	1256,9	23,3	0,0	0,0	0,0	0,0
47 NONCOMPETITIVE IMPORTS	133,0	0,0	45,6	81,3	76,0	341,5	0,0	0,0	0,0	0,0
48 COMPETITIVE IMPORTS	0,0	145,1	0,0	20,0	0,0	0,0	0,0	0,0	1045,5	1763,0
49 DUMMY INDUSTRIES	315,0	159,0	2394,6	1575,3	2960,0	97,6	0,0	0,0	0,0	0,0
50 MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51 INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52 EMPLOYEE COMPENSATION	7557,9	4905,0	89812,6	21351,2	53306,7	7852,7	0,0	0,0	0,0	86400,0
53 INDIRECT BUSINESS TAXES	2497,0	2111,0	22889,2	20166,2	1879,0	67,0	0,0	0,0	0,0	0,0
54 PROPERTY TYPE INCOME	7554,0	10696,0	25563,2	69454,7	33319,9	1937,8	0,0	0,0	0,0	4472,0
55 TOTAL	22911,5	37321,0	163365,5	161005,0	150156,0	17337,1	0,1	0,1	15803,8	92635,0
56 EMPLOYMENT	969,6	642,2	16153,4	3225,0	10099,0	852,0	0,0	0,0	0,0	0,0

		51	52	53	54	55	56	57	58	59	60
1	LIVESTOCK AND PRODUCTS	0,0	1811,2	0,0	129,0	55,0	4,6	3,7	14,5	2018,0	30637,7
2	OTHER AGRICULTURAL PROD,	0,0	3756,2	0,0	1030,7	3183,8	7,2	-1201,8	73,8	6048,9	28539,9
3	FOREST AND FISH PRODUCTS	0,0	584,3	0,0	2,3	61,8	14,5	-258,5	29,2	433,6	4615,4
4	IRON ORES MINING	0,0	0,0	0,0	25,3	122,4	-65,1	-0,4	0,0	82,2	1743,7
5	NONFERROUS ORES MINING	0,0	0,0	0,0	12,3	35,2	58,3	67,4	0,0	173,2	1640,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	256,7	82,1	0,0	0,0	0,0	338,8	15030,6
7	OTHER MINING	0,0	127,6	0,0	144,8	538,3	34,8	5,6	6,7	857,8	6544,9
8	CONSTRUCTION	0,0	0,0	54337,9	0,0	15,1	1947,5	2980,0	26302,3	85583,6	183280,0
9	ORDNANCE AND ACCESSORIES	0,0	322,1	25,1	147,0	308,7	6431,8	1833,9	6,9	9075,5	18734,8
10	FOOD PRODUCTS AND TOBACCO	0,0	66244,0	0,0	1057,6	2507,1	206,5	448,4	476,2	70970,8	97391,8
11	TEXTILE AND APPAREL	0,0	20227,0	88,9	551,2	582,6	506,7	50,9	87,2	22094,5	47483,0
12	LUMBER AND WOOD PRODUCTS	0,0	4293,3	1803,3	213,5	412,9	108,5	91,2	328,3	7251,2	21392,0
13	PAPER AND PRODUCTS	0,0	1574,7	0,0	266,9	672,4	90,6	59,9	199,8	2864,1	22764,0
14	PRINTING AND PUBLISHING	0,0	4119,3	0,0	296,8	251,8	179,5	48,7	803,7	9759,8	22118,0
15	CHEMICALS AND PRODUCTS	0,0	504,2	0,0	305,4	1710,3	1285,8	465,7	113,3	4384,7	23182,0
16	OTHER CHEMICAL PRODUCTS	0,0	7345,2	0,0	275,7	482,6	123,7	71,9	529,9	8829,0	15496,0
17	PETROLEUM REFINING	0,0	10194,3	0,0	541,3	764,7	938,9	139,3	291,8	12870,3	26975,0
18	RUBBER AND PLASTICS	0,0	2287,0	30,0	168,3	992,6	419,8	37,5	172,7	4107,9	22233,0
19	LEATHER AND PRODUCTS	0,0	3659,1	0,0	14,7	62,8	18,3	3,7	2,7	3761,3	5338,0
20	GLASS AND PRODUCTS	0,0	317,3	0,0	38,9	145,3	10,0	8,4	53,0	572,9	3801,0
21	STONE AND CLAY PRODUCTS	0,0	244,4	0,0	127,4	177,0	22,7	3,7	12,9	588,1	11026,0
22	PRIMARY IRON AND STEEL	0,0	3,5	0,0	514,2	518,0	286,4	3,8	2,0	1328,4	31723,0
23	PRIMARY NONFERROUS METALS	0,0	14,6	34,3	335,7	725,8	41,8	-33,9	0,2	1118,9	20878,0
24	MTNG,PLMG,AND STRL, METAL	0,0	65,7	932,7	128,0	284,4	178,7	43,0	0,0	1632,5	12518,0
25	OTHER FABRICATED METALS	0,0	1148,2	347,4	345,2	724,6	346,9	68,2	45,5	3025,0	25167,0
26	ENGINES AND TURBINES	0,0	144,4	735,3	54,6	393,5	365,9	48,9	9,2	1751,8	3825,2
27	MACHINERY AND EQUIPMENT	0,0	152,2	15037,2	918,2	3787,0	889,7	152,2	200,1	21196,6	39435,0
28	OFFICE MACHINES	0,0	515,9	5081,1	281,5	1069,0	338,7	297,4	285,6	7869,2	11961,0
29	OTHER ELECTRICAL EQPT,	0,0	8565,9	6245,0	1066,7	1989,1	6716,9	922,4	325,0	25831,8	48085,0
30	SHIPBUILDING AND REPAIR	0,0	0,0	456,9	171,1	36,7	1281,6	178,4	0,0	2124,7	2957,4
31	OTHER TRANSPORT EQPT,	0,0	16949,2	14394,4	1633,7	3954,6	8732,1	1005,9	750,5	47420,4	70986,6
32	INSTRUMENTS	0,0	1630,4	2051,7	187,2	890,0	941,5	207,0	300,7	6208,9	10978,0
33	MISCELLANEOUS MFG,	0,0	4417,1	532,6	147,3	332,0	58,6	89,6	164,3	5691,9	9397,0
34	DEEPSEA FOREIGN	0,0	305,6	13,5	0,0	800,8	659,2	-0,1	0,0	1779,0	3190,3
35	DEEPSEA DOMESTIC	0,0	299,6	6,7	11,4	30,9	23,7	3,3	8,7	384,3	1111,9
36	GREAT LAKES TRANS,	0,0	23,1	2,1	1,1	24,1	1,1	0,2	0,6	52,4	265,5
37	RIVER AND CANAL TRANS,	0,0	67,8	0,2	7,1	44,5	7,0	2,0	3,0	131,6	597,4
38	LOCAL WATER TRANS,	0,0	16,6	0,0	0,3	1,7	0,6	0,1	6,4	25,7	258,8
39	SERVICE TO WATER TRANS,	0,0	41,0	0,0	0,0	1029,0	149,3	0,0	0,0	1219,3	1735,8
40	OTHER TRANS, AND STORAGE	0,0	10642,6	806,1	208,3	1959,8	2154,8	323,0	906,5	17061,1	46010,3
41	COMMUNICATIONS	0,0	7836,8	1095,7	0,0	139,6	405,1	138,4	482,4	10098,0	22511,5
42	UTILITIES	0,0	13934,9	0,0	0,0	74,3	294,8	49,2	1598,5	15951,7	37321,0
43	WHOLESALE/RETAIL	0,0	109366,9	6543,7	507,9	2614,8	1141,7	255,4	384,2	120814,6	163365,5
44	FINANCE INS, AND R,E,	0,0	90135,7	2104,2	-0,7	667,5	146,4	199,6	1021,2	100273,7	161005,0
45	SERVICES	0,0	74813,6	0,0	-56,8	791,8	3712,5	2072,9	4280,8	85614,8	150156,0
46	GOVERNMENT ENTERPRISE	0,0	2147,9	0,0	0,0	106,4	230,9	336,2	252,3	3073,7	17337,1
47	NONCOMPETITIVE IMPORTS	0,0	9869,6	657,9	-99,7	-18221,1	2876,9	1087,2	3,4	-3825,8	0,0
48	COMPETITIVE IMPORTS	0,0	0,0	0,0	0,0	-22570,3	0,0	0,0	0,0	-22570,3	0,0
49	DUMMY INDUSTRIES	0,0	1286,5	-2924,8	-121,1	580,1	-120,0	-7,9	1150,3	-151,9	15803,8
50	MISCELLANEOUS INDUSTRIES	0,0	2053,6	0,0	0,0	9188,3	27125,6	7218,8	46448,5	92634,8	92634,8
51	INVENTORY VALUE ADJ,	0,0	0,0	0,0	-1843,0	0,0	0,0	0,0	0,0	-1843,0	-1843,0
52	EMPLOYEE COMPENSATION	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	471089,4
53	INDIRECT BUSINESS TAXES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	70238,9
54	PROPERTY TYPE INCOME	-1843,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	254060,7
55	TOTAL	-1843,0	490000,1	110442,9	10034,0	51132,0	71333,0	19471,0	88315,0	795388,0	2316256,7
56	EMPLOYMENT	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	65124,3

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	,183118	,050743	,057568	-------	-------	-------	-------	-------	-------	,203069
2	OTHER AGRICULTURAL PROD,	,273500	,031696	,132600	-------	-------	-------	-------	,000801	-------	,085274
3	FOREST AND FISH PRODUCTS	,019688	,046770	,017095	-------	-------	-------	-------	,001743	-------	,004339
4	IRON ORES MINING	-------	-------	-------	,052704	,002683	-------	,000229	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	,019040	,132744	-------	,001131	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	,024869	,000168	-------	-------	-------
7	OTHER MINING	,000186	,004629	-------	,005219	,004634	,000020	,002828	,009008	,000233	,000548
8	CONSTRUCTION	,007608	,012961	-------	,017262	,009512	,031682	,007594	,000287	,002273	,002715
9	ORDNANCE AND ACCESSORIES	-------	-------	-------	-------	-------	-------	-------	-------	,071548	-------
10	FOOD PRODUCTS AND TOBACCO	,120580	-------	,014690	-------	-------	-------	-------	-------	-------	,169348
11	TEXTILE AND APPAREL	,000336	,002845	,023725	,001147	,000061	,000319	,004767	,002703	,002385	,001490
12	LUMBER AND WOOD PRODUCTS	,000088	,003760	,002752	,002065	,006585	-------	,003652	,053524	,007257	,001271
13	PAPER AND PRODUCTS	,000552	,000158	,026628	,000172	,000305	,000073	,003911	,002830	,006941	,027577
14	PRINTING AND PUBLISHING	,000199	,000357	,000108	,000172	,000122	,000040	,000046	,000019	,000140	,005529
15	CHEMICALS AND PRODUCTS	,002451	,080473	,005027	,015771	,030732	,010898	,019145	,001493	,022322	,004286
16	OTHER CHEMICAL PRODUCTS	,001753	-------	,000542	-------	-------	,000592	,000015	,012813	,000158	,002976
17	PETROLEUM REFINING	,005451	,031724	,008818	,002466	,003293	,002196	,017067	,019595	,002441	,002260
18	RUBBER AND PLASTICS	,001191	,005771	,000542	,008516	,005244	,002269	,009809	,007248	,009186	,009293
19	LEATHER AND PRODUCTS	,000297	-------	,000173	-------	-------	-------	-------	-------	,000047	,000016
20	GLASS AND PRODUCTS	,000183	-------	-------	-------	-------	-------	-------	,002467	,000140	,010275
21	STONE AND CLAY PRODUCTS	,000072	,000862	,000130	,000516	,001707	,005522	,019970	,066551	,001397	,000009
22	PRIMARY IRON AND STEEL	-------	-------	-------	,023857	,025183	,007957	,016960	,017053	,048761	,000135
23	PRIMARY NONFERROUS METALS	,000042	,000042	-------	,002179	,000610	-------	,002154	,022890	,027846	,000054
24	MTNG,PLMG,AND STRL, METAL	-------	-------	-------	,000115	,000061	,003220	,000947	,008018	,000503	-------
25	OTHER FABRICATED METALS	,002589	,001896	,013498	,002466	,005610	,004158	,010558	,019220	,024865	,024840
26	ENGINES AND TURBINES	-------	-------	,001018	,002294	,005366	,003233	,005959	,000889	,000531	-------
27	MACHINERY AND EQUIPMENT	,000411	,010666	,000087	,016230	,046829	,015156	,028022	,009248	,023393	,002570
28	OFFICE MACHINES	-------	-------	-------	-------	-------	-------	-------	,007698	,001397	-------
29	OTHER ELECTRICAL EQPT,	,000447	,001395	,000390	,001147	,000915	,011383	,002567	,024285	,049078	,000066
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	OTHER TRANSPORT EQPT,	,000228	,000487	,003662	,003269	,001341	-------	,000107	,000050	,122308	,000043
32	INSTRUMENTS	-------	-------	,000043	,000115	,000244	,000619	-------	,002940	,016592	,000141
33	MISCELLANEOUS MFG,	,000069	,000074	,000932	,000172	,000366	,000020	,000138	,001954	,000429	,000091
34	DEEPSEA FOREIGN	,000274	,000753	,005958	,049492	,031951	,006380	,001849	-------	,000326	,001860
35	DEEPSEA DOMESTIC	,000189	,000925	,000217	,000115	-------	,000193	,000367	,000464	,000140	,000210
36	GREAT LAKES TRANS,	,000101	,000144	,000022	,001376	-------	,000027	,000046	,000269	-------	,000068
37	RIVER AND CANAL TRANS,	,000666	,000480	,000130	,000344	,000183	,000047	,000244	,000155	,000075	,000444
38	LOCAL WATER TRANS,	-------	,000011	,000043	-------	-------	-------	-------	,000002	-------	,000047
39	SERVICE TO WATER TRANS,	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS, AND STORAGE	,021297	,013514	,008105	,007800	,007622	,003067	,007976	,024416	,007723	,024337
41	COMMUNICATIONS	,002458	,002470	-------	,001204	,001646	,000825	,001589	,003279	,009633	,003100
42	UTILITIES	,003156	,007165	,000585	,027986	,024756	,011450	,028511	,000714	,004900	,006632
43	WHOLESALE/RETAIL	,043492	,053504	,016488	,010438	,016890	,011623	,020535	,079641	,024911	,034322
44	FINANCE INS, AND R,E,	,023899	,083227	,024007	,081493	,045061	,167791	,054332	,013152	,006987	,011767
45	SERVICES	,012707	,048360	,001343	,036646	,015305	,017604	,032728	,052605	,028890	,039834
46	GOVERNMENT ENTERPRISE	,000134	,000144	,000152	,000746	,000854	,000419	,000764	,000636	,001286	,000959
47	NONCOMPETITIVE IMPORTS	-------	-------	,007887	-------	-------	-------	-------	,000982	-------	,013534
48	COMPETITIVE IMPORTS	,005940	,011678	,110500	,309572	,193841	,071594	,031047	-------	,005543	,013918
49	DUMMY INDUSTRIES	,000943	,001423	,006240	,005964	,008110	,011902	,007560	,007155	,014859	,004766
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ,	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	,039517	,075999	,179746	,144463	,257683	,058680	,329525	,356872	,381694	,141539
53	INDIRECT BUSINESS TAXES	,025067	,032831	,015817	,028101	,034085	,048900	,020932	,005616	,006801	,067326
54	PROPERTY TYPE INCOME	,199333	,380064	,311652	,117566	,080976	,465291	,224572	,078792	,064189	,077120
55	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,005480	---•---	-------	-------	-•----•	,000768	-------	-------	,002720	--•--••
2	OTHER AGRICULTURAL PROD,	,024800	,005764	-------	•------	,001562	,003749	•------	-------	-------	--•--••
3	FOREST AND FISH PRODUCTS	,003483	,046817	-------	-------	,000539	,000174	-------	,000013	-------	--•----
4	IRON ORES MINING	--•----	---•---	-------	-------	,002032	•-•-•--	-------	-------	-------	-----••
5	NONFERROUS ORES MINING	--•----	-------	-------	-------	,003050	•---•--	-------	-------	-------	------••
6	CRUDE OIL AND NATURAL GAS	--•----	-------	-------	-------	,002122	--•----	,428400	-------	-------	------••
7	OTHER MINING	,000423	,000360	,006721	,000032	,031865	,002433	,002717	,002640	,000394	,012707
8	CONSTRUCTION	,001914	,004380	,006378	,003554	,006945	,003891	,013472	,004615	,001445	,000340
9	ORDNANCE AND ACCESSORIES	--•---•	,000757	-------	,000199	,000475	•------	-------	,000108	-------	------••
10	FOOD PRODUCTS AND TOBACCO	,000986	,000285	,005922	-------	,008347	,024710	,001142	,002537	,049231	---•-••
11	TEXTILE AND APPAREL	,422699	,023887	,010670	,004987	,001316	,000968	,000100	,039077	,063583	,001210
12	LUMBER AND WOOD PRODUCTS	,000590	,227889	,052816	,000457	,002385	,000426	,000056	,002514	,009099	,014680
13	PAPER AND PRODUCTS	,000049	,009831	,244860	,153083	,014930	,029388	,005924	,029137	,018105	,059405
14	PRINTING AND PUBLISHING	,000423	,000248	,007595	,110046	,000198	,001852	,000100	,000436	,000582	,000210
15	CHEMICALS AND PRODUCTS	,010701	,008265	,033505	,018338	,190104	,127852	,023107	,154891	,011276	,023020
16	OTHER CHEMICAL PRODUCTS	,000956	,008134	,001502	,000710	,016448	,048980	,003648	,006149	,008668	,006051
17	PETROLEUM REFINING	,001066	,005497	,005768	,001818	,077651	,006402	,067878	,006301	,001238	,001789
18	RUBBER AND PLASTICS	,002595	,019872	,024126	,006357	,033228	,048354	,002298	,147079	,070263	,024152
19	LEATHER AND PRODUCTS	,001990	,000309	,000105	,000063	,000047	,000013	,000022	,001309	,190000	------••
20	GLASS AND PRODUCTS	,001487	,003515	,000070	-------	,000462	,012461	-------	,001916	------••	,064930
21	STONE AND CLAY PRODUCTS	,000607	,005815	,001445	-------	,002614	,002039	,002154	,002955	,000338	,016732
22	PRIMARY IRON AND STEEL	,000002	,018301	,001520	,000466	,007950	,000832	,000311	,002145	------••	------••
23	PRIMARY NONFERROUS METALS	,000034	,003071	,001046	,001795	,013877	,002104	,001501	,001939	,000109	,007445
24	MTNG,PLMG,AND STRL, METAL	,000017	,001318	,000013	-------	,000060	,000026	,000085	,000468	-------	,000342
25	OTHER FABRICATED METALS	,001660	,033541	,011997	,010485	,013907	,038571	,003852	,013134	,016218	,000921
26	ENGINES AND TURBINES	--•---•	,000033	-------	-------	•------	•---•-•	-------	-------	-------	------••
27	MACHINERY AND EQUIPMENT	,003517	,005432	,007143	,001528	,014524	,001336	,003366	,008820	,004540	,004130
28	OFFICE MACHINES	,000057	,000912	,000167	,000027	,000164	,000097	-------	,000103	-------	,000105
29	OTHER ELECTRICAL EQPT,	,000392	,001659	,000641	,000520	,001104	,000484	,000445	,001084	,000697	,002184
30	SHIPBUILDING AND REPAIR	--•---•	-------	-------	-------	-------	-------	-------	,000090	-------	------••
31	OTHER TRANSPORT EQPT,	,000091	,001328	-------	,000054	,000772	,000187	,000184	,002973	,000094	,003736
32	INSTRUMENTS	,000958	,001893	,001476	,008364	,000630	,003569	,000668	,000886	,002603	,001894
33	MISCELLANEOUS MFG,	,007697	,001921	,000698	,001641	,000854	,000903	,000030	,004237	,007707	,001763
34	DEEPSEA FOREIGN	,001217	,006666	,001621	,000014	,001587	,000620	,003299	,001169	,000619	,002020
35	DEEPSEA DOMESTIC	,000086	,000510	,000391	,000054	,001186	,000303	,010799	,000567	,000281	,000105
36	GREAT LAKES TRANS,	--•----	,000033	,000351	,000041	,000177	,000045	,000063	,000063	,000056	,000184
37	RIVER AND CANAL TRANS,	,000084	,000514	,000611	,000027	,001057	,000277	,001857	,000373	,000019	,000210
38	LOCAL WATER TRANS,	,000044	,000150	,000110	-------	,000009	•---•-•	,000096	---•---	--•----	---••••
39	SERVICE TO WATER TRANS,	--•----	---•---	-------	-------	-------	--•-•--	-------	-------	-------	------••
40	OTHER TRANS, AND STORAGE	,009862	,020082	,032134	,011384	,022349	,014423	,035414	,016471	,011426	,025072
41	COMMUNICATIONS	,003064	,003389	,003321	,011317	,003278	,004459	,000912	,004165	,003809	,003446
42	UTILITIES	,006984	,008386	,017295	,005462	,030131	,004317	,017108	,012230	,005629	,035649
43	WHOLESALE/RETAIL	,029988	,036285	,030153	,024858	,023441	,030330	,011214	,031476	,043715	,031018
44	FINANCE INS, AND R,E,	,015098	,016492	,017840	,049706	,027741	,034041	,032604	,019206	,020206	,024257
45	SERVICES	,015618	,022326	,024899	,047730	,031749	,146864	,029724	,033347	,026735	,031992
46	GOVERNMENT ENTERPRISE	,001611	,000930	,000958	,012659	,001820	,001704	,000619	,000846	,002702	,001237
47	NONCOMPETITIVE IMPORTS	,001510	,000108	-------	,000118	,001756	,002988	,000074	,008582	,001407	--•---•
48	COMPETITIVE IMPORTS	,017368	,036976	,060108	,000859	,027487	,007376	,037742	,014411	,015422	,024941
49	DUMMY INDUSTRIES	,005568	,004829	,014615	,014269	,007691	,016985	,001846	,009927	,005891	,009550
50	MISCELLANEOUS INDUSTRIES	--•----	-------	-------	-------	-------	----•--	-------	-------	-------	------••
51	INVENTORY VALUE ADJ,	--•----	-------	-------	-------	-------	-------	-------	-------	-------	------••
52	EMPLOYEE COMPENSATION	,250296	,272784	,241965	,371801	,183768	,200271	,084011	,269509	,321257	,371955
53	INDIRECT BUSINESS TAXES	,004696	,008087	,009577	,007324	,009102	,007163	,112853	,028831	,004690	,008682
54	PROPERTY TYPE INCOME	,074342	,120405	,117949	,117814	,175524	,165230	,058539	,111276	,078011	,174165
55	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	--•----	---•---	-------	-------	-•---••	•------	-•-----	-------	-------	--•---•
2	OTHER AGRICULTURAL PROD,	--•---•	-------	-------	---•---	-•---•-	•------	-•----•	-------	-------	•------•
3	FOREST AND FISH PRODUCTS	--•----	-------	-------	-------	-•---•-	-------	-------	-------	-------	------••
4	IRON ORES MINING	,000880	,047174	,007224	-------	,000028	•---•--	-------	-------	,000021	--•--••
5	NONFERROUS ORES MINING	,001125	,001803	,005422	-------	•---•--	•------	-------	-------	,000141	------•
6	CRUDE OIL AND NATURAL GAS	--•---•	-------	-------	-------	-•---•-	•--•---	•------	-------	-------	--•--••
7	OTHER MINING	,000036	,023220	,001886	,000144	,000584	,000497	,000236	,000142	,000195	,000156
8	CONSTRUCTION	,008961	,009186	,003330	,003213	,003044	,003111	,003155	,002383	,002957	,003910
9	ORDNANCE AND ACCESSORIES	--•----	,000066	,000275	,000991	,000745	,000222	,000857	,000192	,003895	,004731
10	FOOD PRODUCTS AND TOBACCO	,000553	,000022	,000383	-------	,000064	•---•--	,000155	,000169	-------	------•
11	TEXTILE AND APPAREL	,007256	,000681	,001040	,000963	,001979	,000549	,001199	,000936	,001398	,001408
12	LUMBER AND WOOD PRODUCTS	,002957	,002534	,004092	,005859	,005281	,000314	,002658	,002608	,007672	,009658
13	PAPER AND PRODUCTS	,023844	,000861	,001586	,006307	,013180	,003686	,001844	,006070	,010350	,000547
14	PRINTING AND PUBLISHING	,000308	,000123	,000628	,000120	,006012	,000078	,000304	,007901	,000921	,000078
15	CHEMICALS AND PRODUCTS	,018484	,012360	,008836	,001095	,006811	,000444	,000926	,001605	,006588	,000156
16	OTHER CHEMICAL PRODUCTS	,001161	,000448	,000618	,008617	,007740	,001124	,001329	,002475	,002300	,001916
17	PETROLEUM REFINING	,009441	,003663	,002314	,002694	,002555	,004026	,004506	,001505	,002075	,002503
18	RUBBER AND PLASTICS	,016252	,001062	,010230	,002094	,011571	,001987	,011147	,009949	,020649	,001642
19	LEATHER AND PRODUCTS	,000290	,000082	,000268	,000016	,000250	,000209	,000200	,000100	,000200	,000039
20	GLASS AND PRODUCTS	,000299	,000063	,000438	,004460	,000918	----•--	,000142	,000092	,008907	,002033
21	STONE AND CLAY PRODUCTS	,111645	,003553	,001888	,003062	,003282	,008732	,007354	,004598	,005576	,005865
22	PRIMARY IRON AND STEEL	,011328	,189673	,016272	,241279	,224314	,100439	,107326	,032899	,029951	,074803
23	PRIMARY NONFERROUS METALS	,002331	,027078	,322137	,070312	,063750	,051004	,026979	,029822	,042433	,036482
24	MTNG,PLMG,AND STRL, METAL	,000970	,002134	,007311	,023821	,004486	,003320	,008835	,012432	,001583	,056659
25	OTHER FABRICATED METALS	,011718	,021026	,011792	,049968	,041841	,030430	,034353	,036770	,034682	,027372
26	ENGINES AND TURBINES	,000834	,000189	,000273	,002310	,000910	,074061	,014594	,000418	,002504	,050755
27	MACHINERY AND EQUIPMENT	,019164	,030864	,017604	,033030	,031100	,122739	,136579	,029429	,016521	,085399
28	OFFICE MACHINES	,000581	,000218	,000144	,013573	,002587	•-•••-•	,002500	,101246	,007429	,000978
29	OTHER ELECTRICAL EQPT,	,003664	,010210	,012655	,013917	,004915	,042115	,029811	,178463	,186004	,012552
30	SHIPBUILDING AND REPAIR	--•---•	,000006	-------	,003797	,000203	,003451	,000814	-------	-------	,006921
31	OTHER TRANSPORT EQPT,	,000063	,004240	,002252	,008074	,013100	,068362	,011442	,014154	,011744	,010518
32	INSTRUMENTS	,000490	,001645	,000331	,005444	,002436	,001516	,003139	,007817	,008240	,004536
33	MISCELLANEOUS MFG,	,003718	,000344	,000800	,000248	,001848	•-•-•--	,000614	,002140	,001680	,000078
34	DEEPSEA FOREIGN	,001170	,003140	,005525	,000280	,000910	,000549	,000763	,000351	,000645	--••••••
35	DEEPSEA DOMESTIC	,000499	,000504	,000168	,000192	,000171	,000131	,000142	,000094	,000078	
36	GREAT LAKES TRANS,	,002122	,003263	,000038	,000048	,003052	•---•--	,000010	---•---	,000031	---•-••
37	RIVER AND CANAL TRANS,	,000807	,001718	,000350	,000128	,000139	,000052	,000033	-------	,000031	,000039
38	LOCAL WATER TRANS,	--•----	,000028	-------	-------	-•---••	--•-•-•	-------	-------	-------	--••-••
39	SERVICE TO WATER TRANS,	--•----	---•---	-------	-------	•-•---•	----•--	-------	-------	-------	•-••••••
40	OTHER TRANS, AND STORAGE	,054353	,036122	,019765	,015388	,012949	,007555	,007861	,006053	,006855	,010792
41	COMMUNICATIONS	,005197	,003001	,002108	,006011	,003918	,004209	,005528	,005459	,006732	,005592
42	UTILITIES	,032396	,025918	,020436	,007586	,009032	,004967	,006340	,003578	,006447	,007195
43	WHOLESALE/RETAIL	,026274	,029430	,035764	,032702	,020324	,033828	,032471	,037773	,030700	,030461
44	FINANCE INS, AND R,E,	,027000	,008246	,012861	,020504	,015783	,009228	,022658	,031043	,019800	,010401
45	SERVICES	,030147	,028296	,014557	,024924	,022259	,019032	,023938	,025065	,031989	,017635
46	GOVERNMENT ENTERPRISE	,001587	,000801	,007565	,000903	,000755	,000915	,001063	,000978	,001273	,001017
47	NONCOMPETITIVE IMPORTS	,000073	-------	,003019	-------	-•-----	,001359	,000616	-------	,001793	•-•••-•
48	COMPETITIVE IMPORTS	,015962	,044762	,095065	,004325	,016379	,020208	,028021	,015191	,024571	--•--••
49	DUMMY INDUSTRIES	,007256	,029795	,044605	,014069	,009330	,011999	,011256	,018493	,012062	,009150
50	MISCELLANEOUS INDUSTRIES	-•-----	---•---	-------	•------	-------	•-•-•-•	-•-----	-------	-------	---•-••
51	INVENTORY VALUE ADJ,	--•----	---•---	-------	-------	-------	--•-•--	-•-----	-------	-------	--•--••
52	EMPLOYEE COMPENSATION	,306612	,289232	,165458	,274660	,296301	,262418	,333653	,263456	,338634	,436068
53	INDIRECT BUSINESS TAXES	,011337	,011285	,007427	,006875	,007589	,007058	,007684	,005100	,006239	,009267
54	PROPERTY TYPE INCOME	,137747	,089988	,100915	,086251	,131148	,088140	,105328	,101254	,095396	,060608
55	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	,000089
2 OTHER AGRICULTURAL PROD.	-------	,000775	,001079	-------	-------	-------	-------	-------	-------	,000891
3 FOREST AND FISH PRODUCTS	-------	-------	,001256	-------	-------	-------	-------	-------	-------	,000057
4 IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
5 NONFERROUS ORES MINING	-------	,000237	-------	-------	-------	-------	-------	-------	-------	-------
6 CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------	-------	-------	,000554
7 OTHER MINING	,000273	,000292	,000641	,000376	,000360	,000377	,000335	,000386	,000403	,000126
8 CONSTRUCTION	,002554	,003491	,002490	,008432	,008454	,008665	,008537	,008501	,008411	,027085
9 ORDNANCE AND ACCESSORIES	,000231	,001942	,000566	-------	-------	-------	-------	-------	-------	-------
10 FOOD PRODUCTS AND TOBACCO	-------	,001139	,002031	,000522	,000540	,000377	,000502	,000386	,000518	,003534
11 TEXTILE AND APPAREL	,011968	,010119	,226408	,007021	,006925	,007156	,006863	,006955	,006913	,002086
12 LUMBER AND WOOD PRODUCTS	,000610	,002671	,019168	-------	-------	-------	-------	-------	-------	,000052
13 PAPER AND PRODUCTS	,002016	,020383	,044747	,001442	,001439	,001567	,001507	,001546	,001325	,001887
14 PRINTING AND PUBLISHING	,000107	,000419	,003708	,000251	,000180	-------	,000167	-------	,000173	,001048
15 CHEMICALS AND PRODUCTS	,001072	,020811	,005707	-------	-------	-------	-------	-------	-------	,000993
16 OTHER CHEMICAL PRODUCTS	,002715	,005397	,006263	,004044	,004047	,004143	,004017	,003864	,004033	,000861
17 PETROLEUM REFINING	,002396	,001376	,003024	,021471	,021405	,021846	,021426	,021252	,021431	,040115
18 RUBBER AND PLASTICS	,010807	,022179	,062221	,001724	,001529	,001587	,001559	,001546	,000864	,006031
19 LEATHER AND PRODUCTS	,000031	,000521	,005846	-------	-------	-------	-------	-------	-------	-------
20 GLASS AND PRODUCTS	,005221	,005486	,003484	,001943	,001979	,001883	,001841	,001932	,001959	,000598
21 STONE AND CLAY PRODUCTS	,002240	,001595	,002661	,000313	,000270	,000377	,000335	,000386	,000288	,000189
22 PRIMARY IRON AND STEEL	,059925	,016992	,026301	,007397	,007465	,007533	,007365	,007342	,007374	,004514
23 PRIMARY NONFERROUS METALS	,022568	,036363	,039682	,006959	,006925	,007156	,006863	,006955	,006913	,000363
24 MTNG,PLMG,AND STRL, METAL	,002441	,000893	,000641	-------	-------	-------	-------	-------	-------	-------
25 OTHER FABRICATED METALS	,065162	,035132	,028791	,016989	,016908	,016573	,016907	,016615	,016880	,002243
26 ENGINES AND TURBINES	,000597	-------	-------	,001003	,000989	,001130	,001004	,001159	,000979	,001245
27 MACHINERY AND EQUIPMENT	,038009	,015196	,003452	,006081	,005936	,006403	,006026	,005796	,006049	,002473
28 OFFICE MACHINES	,000458	,002115	,002811	-------	-------	-------	-------	-------	-------	,000085
29 OTHER ELECTRICAL EQPT.	,030418	,001404	,014513	,001066	,001169	,001587	,001004	,001932	,001037	,002621
30 SHIPBUILDING AND REPAIR	,000942	,000191	-------	,032505	,032467	,033145	,032307	,032457	,032435	-------
31 OTHER TRANSPORT EQPT.	,245528	,009280	,005087	,002445	,002428	,002260	,002343	,002318	,002477	,011695
32 INSTRUMENTS	,007276	,077575	,001689	,003699	,003687	,003390	,003683	,003478	,003629	,000509
33 MISCELLANEOUS MFG.	,000679	,003820	,062948	,000815	,000809	,000753	,000857	,000773	,000749	,000228
34 DEEPSEA FOREIGN	,000273	,000893	,002169	-------	,000719	-------	-------	-------	-------	-------
35 DEEPSEA DOMESTIC	,000125	,000046	,000127	,000596	,021045	,000753	,000502	,000773	,000518	,000926
36 GREAT LAKES TRANS.	,000031	,000046	,000021	,000063	-------	,000753	-------	-------	-------	,000020
37 RIVER AND CANAL TRANS.	,000041	,000036	-------	,000125	,000090	-------	,172246	-------	,000173	,000176
38 LOCAL WATER TRANS.	-------	-------	,000011	,024919	,081392	-------	,074992	-------	-------	,000020
39 SERVICE TO WATER TRANS.	-------	-------	-------	,078049	,201727	,029755	,028624	,005023	,009736	-------
40 OTHER TRANS. AND STORAGE	,012514	,005570	,012141	,038523	,051084	,054237	,045363	,022411	,016477	,095668
41 COMMUNICATIONS	,003913	,006992	,004863	,005078	,005126	,005273	,005022	,004637	,005070	,010185
42 UTILITIES	,004659	,004758	,005130	,002915	,002788	,003013	,003013	,003091	,002823	,006990
43 WHOLESALE/RETAIL	,022518	,053728	,044982	,012287	,011872	,010923	,011383	,010046	,011637	,033525
44 FINANCE INS. AND R.E.	,011294	,020595	,022536	,029558	,029409	,030865	,029796	,029753	,032519	,041932
45 SERVICES	,029473	,040684	,038688	,023916	,023923	,024105	,023770	,023957	,023851	,034990
46 GOVERNMENT ENTERPRISE	,001107	,001386	,002148	,003949	,003957	,003766	,004520	,003478	,136997	,028078
47 NONCOMPETITIVE IMPORTS	,001126	,000109	,019354	,072989	,072758	,074576	,072481	,072643	,072704	,008142
48 COMPETITIVE IMPORTS	,013035	,029535	,058531	,372410	-------	,073070	-------	-------	-------	,003384
49 DUMMY INDUSTRIES	,009599	,014002	,010473	,004451	,004497	,004520	,004520	,004637	,004494	,006514
50 MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 EMPLOYEE COMPENSATION	,259235	,307885	,297027	,112999	,201637	,228249	,332441	,378825	,391635	,418508
53 INDIRECT BUSINESS TAXES	,031783	,006290	,006733	,013008	,023204	,035405	,025444	,044456	,035776	,035718
54 PROPERTY TYPE INCOME	,053614	,109617	,165603	,077767	,138861	,293032	,040844	,070711	,133253	,163090
55 TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS				,007002	,000460				,001955	
2	OTHER AGRICULTURAL PROD,			,[illegible]461	,007432	,001577	,[illegible]22553			,007289	
3	FOREST AND FISH PRODUCTS			,[illegible]848	,000995	,000166	,000069			,003170	
4	IRON ORES MINING		,000038	,000041	,000022						
5	NONFERROUS ORES MINING		,000019	,000023	,000063						
6	CRUDE OIL AND NATURAL GAS		,067560		,001023						
7	OTHER MINING	,000031	,023997	,000048	,000446	,000110	,008364				
8	CONSTRUCTION	,025463	,030465	,003224	,045302	,008816	,102162				
9	ORDNANCE AND ACCESSORIES		,000095	,000232	,000067	,000005				,002784	
10	FOOD PRODUCTS AND TOBACCO		,000048	,005514	,000905	,003359	,006973			,199702	
11	TEXTILE AND APPAREL	,000231	,000447	,001755	,000612	,002145	,001465			,005068	
12	LUMBER AND WOOD PRODUCTS		,000027	,001525	,000247	,000070				,000234	
13	PAPER AND PRODUCTS	,000982	,000983	,009656	,001835	,002501	,001182			,037289	
14	PRINTING AND PUBLISHING	,001844	,000196	,002318	,003547	,007053	,003172			,099558	
15	CHEMICALS AND PRODUCTS	,000022	,001522	,001517	,001878	,002057	,007325			,000981	
16	OTHER CHEMICAL PRODUCTS	,000049	,000008	,001991	,000716	,011923	,002169			,004955	
17	PETROLEUM REFINING	,002910	,007366	,000418	,005039	,005109	,008116			,000734	
18	RUBBER AND PLASTICS	,001075	,000665	,004522	,001103	,006617	,002382			,001658	
19	LEATHER AND PRODUCTS		,000003	,000250	,000042	,001469	,000098			,002746	
20	GLASS AND PRODUCTS			,000794	,000113	,000968	,000127			,000259	
21	STONE AND CLAY PRODUCTS	,000004	,000019	,000970	,000229	,001659	,000288			,000165	
22	PRIMARY IRON AND STEEL		,001085	,000226	,000383	,000071	,000485			,013358	
23	PRIMARY NONFERROUS METALS	,000444	,000292	,000257	,000227	,000038	,000046			,009852	
24	MTNG,PLMG,AND STRL, METAL		,000003	,001102	,000282		,000017			,002306	
25	OTHER FABRICATED METALS	,000022	,000715	,001980	,000266	,012951	,000900			,012484	
26	ENGINES AND TURBINES		,000046	,000104	,000024	,000687	,000744			,000766	
27	MACHINERY AND EQUIPMENT	,000009	,001002	,002247	,001835	,006421	,000952			,005353	
28	OFFICE MACHINES			,000836	,001644	,002587	,000196			,001544	
29	OTHER ELECTRICAL EQPT,	,012811	,001977	,002602	,001534	,006984	,000248			,014895	
30	SHIPBUILDING AND REPAIR			,000010	,000024		,000110			,000468	
31	OTHER TRANSPORT EQPT,	,000147	,000072	,001190	,001075	,008905	,000952			,008378	
32	INSTRUMENTS	,000155	,000033	,001408	,000396	,006737	,000300			,015699	
33	MISCELLANEOUS MFG,	,000155	,000003	,001506	,000230	,007575	,000144			,029240	
34	DEEPSEA FOREIGN					,000005	,000764			,003436	
35	DEEPSEA DOMESTIC	,000076	,000432	,000196	,000316	,000165	,000323			,000202	
36	GREAT LAKES TRANS,	,000004	,000212	,000007	,000007	,000016	,000075			,000025	
37	RIVER AND CANAL TRANS,	,000013	,000796	,000037	,000012	,000061	,000450			,000089	
38	LOCAL WATER TRANS,		,000013	,000005	,000001	,000001					
39	SERVICE TO WATER TRANS,										
40	OTHER TRANS, AND STORAGE	,001812	,013649	,007314	,007189	,005588	,006619			,292771	
41	COMMUNICATIONS	,015890	,002666	,010830	,007472	,034960	,003640				
42	UTILITIES	,007960	,184976	,014782	,005142	,014883	,073126				
43	WHOLESALE/RETAIL	,008742	,005415	,020701	,013728	,029106	,010832			,047413	
44	FINANCE INS, AND R,E,	,027937	,010008	,067856	,111115	,059033	,034983			,000316	
45	SERVICES	,085037	,010731	,067949	,054446	,069361	,037255			,106408	
46	GOVERNMENT ENTERPRISE	,004056	,150307	,014569	,014361	,008371	,001344				
47	NONCOMPETITIVE IMPORTS	,005908		,000279	,000505	,000506	,019698				
48	COMPETITIVE IMPORTS		,003888		,000124					,006155	,019032
49	DUMMY INDUSTRIES	,013993	,004260	,014658	,009784	,019715	,005630				
50	MISCELLANEOUS INDUSTRIES										
51	INVENTORY VALUE ADJ,										
52	EMPLOYEE COMPENSATION	,335735	,131427	,549765	,132612	,355009	,452942				,932693
53	INDIRECT BUSINESS TAXES	,110921	,056563	,140110	,125252	,012514	,003865				
54	PROPERTY TYPE INCOME	,335562	,286595	,156479	,431382	,221902	,111772				,048275
55	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

TABLE A3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	10,381822	2,876867	3,263817	-------	-------	-------	-------	-------	-------	11,512972
2	OTHER AGRICULTURAL PROD.	20,344842	2,357771	9,863695	-------	-------	-------	-------	,059564	-------	6,343269
3	FOREST AND FISH PRODUCTS	1,356510	3,222415	1,177838	-------	-------	-------	-------	,120081	-------	,298971
4	IRON ORES MINING	-------	-------	-------	,773770	,039389	-------	,003365	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	,622282	4,338459	-------	,036953	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	,456332	,003084	-------	-------	-------
7	OTHER MINING	,007345	,182743	-------	,206044	,182961	,000788	3,270147	,395628	,009195	,021648
8	CONSTRUCTION	,293561	,500085	-------	,666050	,367023	1,222433	,292999	,011058	,087708	,104750
9	ORDNANCE AND ACCESSORIES	-------	-------	-------	-------	-------	-------	-------	-------	2,114322	-------
10	FOOD PRODUCTS AND TOBACCO	2,318721	-------	,282483	-------	-------	-------	-------	-------	-------	3,256517
11	TEXTILE AND APPAREL	,016681	,141169	1,177177	,056911	,003025	,015845	,236531	,134133	,118336	,073924
12	LUMBER AND WOOD PRODUCTS	,004335	,184924	,135345	,101549	,323912	-------	,179019	2,632684	,356963	,062524
13	PAPER AND PRODUCTS	,016456	,004704	,794379	,005133	,009095	,002183	,116687	,084430	,207052	,822697
14	PRINTING AND PUBLISHING	,009432	,016931	,005132	,008150	,005777	,001891	,002171	,000917	,006620	,261939
15	CHEMICALS AND PRODUCTS	,049591	1,628073	,101695	,319068	,621740	,220475	,387320	,030206	,451593	,086707
16	OTHER CHEMICAL PRODUCTS	,035528	-------	,010979	-------	-------	,012002	,000310	,259711	,003210	,060315
17	PETROLEUM REFINING	,037019	,215453	,059889	,016748	,022362	,014911	,115908	,133081	,016577	,015348
18	RUBBER AND PLASTICS	,038672	,187327	,017583	,209932	,170221	,073644	,318413	,235284	,298177	,301673
19	LEATHER AND PRODUCTS	,019554	-------	,011411	-------	-------	-------	-------	-------	,003067	,001082
20	GLASS AND PRODUCTS	,008367	-------	-------	-------	-------	-------	-------	,112937	,006397	,470367
21	STONE AND CLAY PRODUCTS	,003035	,036429	,005494	,021814	,072158	,233383	,843996	2,812699	,059061	,000391
22	PRIMARY IRON AND STEEL	-------	-------	-------	,689405	,727711	,229936	,490087	,492771	1,409046	,003887
23	PRIMARY NONFERROUS METALS	,000824	,000817	-------	,042332	,011845	-------	,041848	,444642	,540911	,001857
24	MTNG,PLMG,AND STRL, METAL	-------	-------	-------	,004430	,002355	,124377	,036590	3,399704	,019431	-------
25	OTHER FABRICATED METALS	,083533	,066275	,471933	,086218	,196131	,145380	,369128	,671964	,869338	,868470
26	ENGINES AND TURBINES	-------	-------	,027793	,002609	,146449	,088248	,162033	,024259	,014493	-------
27	MACHINERY AND EQUIPMENT	,015613	,404912	,003290	,616146	1,777814	,575369	1,063813	,351076	,888084	,097569
28	OFFICE MACHINES	-------	-------	-------	-------	-------	-------	-------	,236921	,043006	-------
29	OTHER ELECTRICAL EQPT.	,018217	,056811	,015888	,046726	,057261	,463742	,104570	,989347	1,999341	,002677
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	OTHER TRANSPORT EQPT.	,005821	,012408	,093287	,083281	,034176	-------	,002725	,001283	3,117530	,001099
32	INSTRUMENTS	-------	-------	,001778	,004706	,010007	,025387	-------	,120611	,680777	,005772
33	MISCELLANEOUS MFG.	,003138	,003369	,042655	,007877	,016750	,000914	,006296	,089458	,019620	,004184
34	DEEPSEA FOREIGN	,004615	,012680	,100292	,833071	,537812	,107395	,031119	-------	,005488	,031300
35	DEEPSEA DOMESTIC	,005687	,027786	,006508	,003445	-------	,005796	,011015	,013932	,004198	,006323
36	GREAT LAKES TRANS.	,002477	,003517	,000530	,033697	-------	,000652	,001122	,006590	-------	,001659
37	RIVER AND CANAL TRANS.	,022849	,016472	,004461	,011808	,006277	,001598	,008389	,005316	,002558	,015221
38	LOCAL WATER TRANS.	-------	,000630	,002595	-------	-------	-------	-------	,000116	-------	,002829
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	1,272737	,807629	,484258	,466103	,455492	,183290	,476631	1,459122	,461538	1,454389
41	COMMUNICATIONS	,105859	,106396	-------	,051872	,070910	,035533	,068441	,141250	,414904	,133516
42	UTILITIES	,054311	,123299	,010066	,481576	,425990	,197025	,490598	,012279	,084322	,114120
43	WHOLESALE/RETAIL	4,300351	5,290290	1,630302	1,032030	1,670047	1,149237	2,030435	7,874597	2,463160	3,393684
44	FINANCE INS. AND R.E.	,478701	1,667080	,480862	1,632348	,902591	3,360927	1,088301	,263433	,139956	,235698
45	SERVICES	,854602	3,252560	,090348	2,464704	1,029356	1,183993	2,201163	3,538011	1,943014	2,679123
46	GOVERNMENT ENTERPRISE	,006576	,007060	,007453	,036638	,041951	,020598	,037543	,031262	,063180	,047129
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	42,177381	23,414880	20,381221	11,758474	14,257048	10,153286	14,529935	27,150359	18,922172	32,794799
53	LABOR OUTPUT RATIO	56,694856	74,387087	63,899771	14,081425	32,682927	18,349234	39,481123	38,584431	29,550960	19,229703
54	EMP. MULTIPLIER (DIRECT)	,743937	,314771	,295810	,800908	,436223	,553336	,368022	,703661	,640323	1,705424

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,310680	-------	-------	-------	-------	,043538	-------	-------	,154256	-------
2	OTHER AGRICULTURAL PROD.	1,844834	,428755	-------	-------	,116160	,278974	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	,240002	3,225651	-------	-------	,037152	,012075	-------	,000930	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	,029829	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	,099676	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	,038943	-------	7,860819	-------	-------	-------
7	OTHER MINING	,016713	,014211	,265358	,001250	1,258075	,096053	,107283	,104239	,015555	,501694
8	CONSTRUCTION	,073865	,169005	,246110	,137116	,267971	,150145	,519799	,178058	,055741	,321791
9	ORDNANCE AND ACCESSORIES	-------	,022379	-------	,005879	,014022	-------	-------	,003190	-------	-------
10	FOOD PRODUCTS AND TOBACCO	,018953	,005483	,113871	-------	,160510	,475158	,021956	,048781	,946693	-------
11	TEXTILE AND APPAREL	20,973359	1,185241	,525952	,247438	,065281	,048030	,004966	1,938915	3,154870	,060048
12	LUMBER AND WOOD PRODUCTS	,029005	11,209084	2,597833	,022461	,117333	,020949	,002735	,123669	,447570	,722077
13	PAPER AND PRODUCTS	,240125	,293274	7,304719	4,566815	,445385	,876715	,176726	,869217	,540114	1,772194
14	PRINTING AND PUBLISHING	,020054	,011737	,359815	5,213235	,009400	,087739	,004742	,020668	,027553	,009971
15	CHEMICALS AND PRODUCTS	,216488	,167206	,677840	,371000	3,846043	2,586608	,467474	3,133641	,228123	,465728
16	OTHER CHEMICAL PRODUCTS	,019381	,164872	,030453	,014388	,333399	,992820	,073940	,124629	,175696	,122653
17	PETROLEUM REFINING	,007237	,037335	,039172	,012344	,527363	,043477	,460989	,042796	,008410	,012150
18	RUBBER AND PLASTICS	2,031882	,645057	,783142	,206347	1,078618	1,569621	,074609	4,774285	2,280779	,783977
19	LEATHER AND PRODUCTS	,131024	,020312	,006941	,004167	,003124	,000850	,001464	,086169	12,508630	-------
20	GLASS AND PRODUCTS	,068064	,160923	,003218	-------	,021129	,570445	-------	,087713	-------	2,972341
21	STONE AND CLAY PRODUCTS	,025634	,245775	,061082	-------	,110482	,086186	,091030	,124892	,014273	,707175
22	PRIMARY IRON AND STEEL	,000061	,528851	,043922	,013457	,229735	,024056	,008999	,001997	-------	-------
23	PRIMARY NONFERROUS METALS	,000655	,059659	,020309	,034866	,269564	,040866	,029165	,037657	,003280	,144627
24	MTNG,PLMG,AND STRL, METAL	,000651	,050918	,000509	-------	,002333	,000997	,003293	,018068	-------	,013210
25	OTHER FABRICATED METALS	,058022	1,172661	,419445	,366570	,486235	1,348545	,134665	,459184	,566746	,032194
26	ENGINES AND TURBINES	-------	,000893	-------	-------	-------	-------	-------	-------	-------	-------
27	MACHINERY AND EQUIPMENT	,133520	,206217	,271170	,058015	,551393	,050713	,127789	,334849	,172308	,156809
28	OFFICE MACHINES	,001750	,028053	,005137	,000835	,005045	,002979	-------	,003184	-------	,003239
29	OTHER ELECTRICAL EQPT.	,015958	,067605	,026128	,021181	,044987	,019717	,018123	,044159	,026751	,008958
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	,004924	-------	-------
31	OTHER TRANSPORT EQPT.	,002307	,033823	-------	,001382	,019672	,004768	,002644	,075744	,002398	,895177
32	INSTRUMENTS	,039317	,077679	,060561	,343185	,025841	,146423	,027075	,036356	,110081	,077721
33	MISCELLANEOUS MFG.	,352421	,087964	,031979	,075140	,039105	,041364	,001358	,193984	,355620	,088703
34	DEEPSEA FOREIGN	,020490	,112205	,027285	,000228	,026720	,010428	,055536	,019684	,010421	,049155
35	DEEPSEA DOMESTIC	,002594	,015306	,011744	,001630	,035634	,009111	,324384	,017024	,008454	,003161
36	GREAT LAKES TRANS.	-------	,000801	,008604	,000996	,004330	,001106	,001943	,001542	,001378	,004509
37	RIVER AND CANAL TRANS.	,002891	,017645	,020953	,000931	,036266	,009522	,063733	,012811	,000644	,007222
38	LOCAL WATER TRANS.	,002649	,008959	,006577	-------	,000517	-------	,005330	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,589387	1,200127	1,920349	,680337	1,335602	,861931	2,116376	,984316	,682817	1,498337
41	COMMUNICATIONS	,131981	,145974	,143041	,487420	,141205	,192064	,039279	,179391	,164043	,148444
42	UTILITIES	,120169	,144307	,297601	,093981	,518481	,074289	,294393	,210440	,096853	,013421
43	WHOLESALE/RETAIL	2,965065	3,587691	2,981409	2,457829	2,317725	2,998963	1,108809	3,112209	4,322366	3,066965
44	FINANCE INS. AND R.E.	,302420	,330345	,357334	,995635	,555671	,681857	,653078	,384698	,404743	,485874
45	SERVICES	1,050430	1,501580	1,674623	3,210187	2,135318	9,877571	1,999127	2,242798	1,798139	2,151649
46	GOVERNMENT ENTERPRISE	,079175	,045716	,047062	,622122	,089459	,083724	,030424	,041555	,132770	,060766
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	32,139210	27,431279	21,391249	20,208367	17,450730	24,420236	16,911655	26,138364	29,418108	17,233938
53	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,463757	65,834897	45,777427
54	EMP. MULTIPLIER (DIRECT)	,647736	,557698	,717053	,427845	,862565	1,204763	2,490130	,620391	,446847	,376472

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	------	-------	-------	-------	------	------	-------	-------	-------	------
2	OTHER AGRICULTURAL PROD,	------	-------	-------	-------	-------	------	-------	-------	-------	------
3	FOREST AND FISH PRODUCTS	------	-------	-------	-------	------	------	-------	-------	-------	------
4	IRON ORES MINING	,012916	,692581	,003236	-------	,000406	------	-------	-------	,000305	------
5	NONFERROUS ORES MINING	,030756	,058931	1,647927	-------	------	------	-------	-------	,004622	------
6	CRUDE OIL AND NATURAL GAS	------	-------	-------	-------	------	------	-------	-------	-------	------
7	OTHER MINING	3,191504	,916742	,034998	,005681	,023061	,019611	,009311	,005611	,007718	,006175
8	CONSTRUCTION	,345741	,354427	,128492	,123988	,117438	,120034	,121717	,091937	,114104	,150874
9	ORDNANCE AND ACCESSORIES	------	,001956	,000142	,029291	,021957	,183863	,024729	,005682	,115106	,139816
10	FOOD PRODUCTS AND TOBACCO	,010639	,000424	,007371	-------	,001223	------	,002975	,002090	-------	------
11	TEXTILE AND APPAREL	,360005	,033784	,051591	,048785	,098183	,027240	,059514	,046461	,069342	,069846
12	LUMBER AND WOOD PRODUCTS	,145427	,124660	,201272	,288200	,259741	,015430	,130715	,128302	,377351	,475056
13	PAPER AND PRODUCTS	,711308	,025673	,047514	,188150	,393187	,109964	,054997	,181073	,308776	,016331
14	PRINTING AND PUBLISHING	,014608	,005824	,029736	,005680	,284800	,003715	,014416	,374280	,043644	,003705
15	CHEMICALS AND PRODUCTS	,373945	,250060	,178756	,022156	,137785	,008991	,018725	,032475	,133290	,003164
16	OTHER CHEMICAL PRODUCTS	,023531	,009073	,012529	,178717	,156894	,022786	,026934	,050162	,046622	,038837
17	PETROLEUM REFINING	,004120	,024877	,015718	,018295	,017352	,027342	,030603	,010220	,014096	,016996
18	RUBBER AND PLASTICS	,527568	,034484	,332073	,067983	,375594	,064494	,361855	,322952	,670277	,053310
19	LEATHER AND PRODUCTS	,019107	,005396	,017665	,001053	,016480	,013769	,013189	,006605	,013144	,002574
20	GLASS AND PRODUCTS	,013701	,002886	,001755	,204187	,042018	------	,006501	,004210	,407746	,093080
21	STONE AND CLAY PRODUCTS	4,718544	,150147	,079789	,129393	,138713	,369029	,310802	,194340	,235643	,247891
22	PRIMARY IRON AND STEEL	,327339	5,480987	,470217	6,972242	6,481993	2,902393	3,101400	,950671	,865498	2,161570
23	PRIMARY NONFERROUS METALS	,045277	,525993	6,257916	1,365807	1,180073	,990751	,524059	,579291	,824265	,708670
24	HTNG,PLMG,AND STRL, METAL	,037483	,082430	,012030	,920086	,173275	,128239	,341245	,480190	,061129	2,188464
25	OTHER FABRICATED METALS	,409682	,735112	,412279	1,747005	1,462847	1,063900	1,201056	1,285552	1,212579	,956976
26	ENGINES AND TURBINES	,022773	,005162	,007454	,003050	,024834	2,021337	,398300	,011409	,068338	1,385232
27	MACHINERY AND EQUIPMENT	,727529	1,171714	,668322	1,253926	1,180682	4,659619	5,185096	1,117234	,627189	3,242074
28	OFFICE MACHINES	,011723	,006694	,004424	,417714	,079606	------	,076947	3,115839	,228613	,030884
29	OTHER ELECTRICAL EQPT,	,149268	,415948	,515524	,566949	,200235	1,715711	1,214452	7,270289	7,577480	,511339
30	SHIPBUILDING AND REPAIR	------	,000345	-------	,207857	,011093	,188907	,044561	-------	-------	,378882
31	OTHER TRANSPORT EQPT,	,001617	,108017	,057374	,205687	,333756	1,741645	,291494	,360605	,299192	,867976
32	INSTRUMENTS	,020095	,067515	,013565	,223353	,099938	,062212	,128808	,320735	,338070	,186107
33	MISCELLANEOUS MFG,	,170247	,015731	,036636	,011345	,084593	------	,028096	,097991	,076933	,003581
34	DEEPSEA FOREIGN	,019693	,052848	,092993	,004709	,015316	,009241	,012848	,005911	,010852	------
35	DEEPSEA DOMESTIC	,014984	,015150	,005038	,005763	,005132	,003926	,004113	,001256	,002811	,002349
36	GREAT LAKES TRANS,	,051957	,079876	,000938	,001174	,001265	------	,000248	-------	,000764	------
37	RIVER AND CANAL TRANS,	,027699	,058954	,012003	,004389	,004772	,001794	,001131	-------	,001070	,001342
38	LOCAL WATER TRANS,	------	,001699	-------	-------	-------	------	-------	-------	-------	------
39	SERVICE TO WATER TRANS,	------	-------	-------	-------	-------	------	-------	-------	-------	------
40	OTHER TRANS, AND STORAGE	3,248185	2,158673	1,161180	,919577	,773869	,451500	,469780	,361731	,409630	,644948
41	COMMUNICATIONS	,223833	,129256	,090807	,258910	,168746	,181284	,238102	,235144	,289949	,240838
42	UTILITIES	,557456	,445985	,351652	,130935	,155412	,085471	,109088	,081573	,110935	,123804
43	WHOLESALE/RETAIL	2,597906	2,909909	3,536242	3,233442	2,009588	3,344822	3,210632	3,734836	3,035487	3,011838
44	FINANCE INS, AND R,E,	,540818	,165179	,257603	,410696	,316132	,184846	,453840	,621796	,396610	,208340
45	SERVICES	2,027583	1,903236	,979041	1,676311	1,497088	1,280009	1,610000	1,685776	2,151488	1,186079
46	GOVERNMENT ENTERPRISE	,077998	,039348	,027786	,044390	,037101	,044965	,052215	,048071	,062547	,049962
47	NONCOMPETITIVE IMPORTS	------	-------	-------	-------	-------	------	-------	-------	-------	------
48	COMPETITIVE IMPORTS	------	-------	-------	-------	-------	------	-------	-------	-------	------
49	DUMMY INDUSTRIES	------	-------	-------	-------	-------	------	-------	-------	-------	------
50	MISCELLANEOUS INDUSTRIES	------	-------	-------	-------	-------	------	-------	-------	-------	------
51	INVENTORY VALUE ADJ,	------	-------	-------	-------	-------	------	-------	-------	-------	------
52	COLUMN SUM	21,880565	19,267688	17,763986	21,956475	18,382180	22,048840	19,884452	23,802301	21,213218	18,808112
53	LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	38,625100	34,962451	27,292691	37,963738	30,775019	40,738276	54,743099
54	EMP, MULTIPLIER (DIRECT)	,517715	,666771	,915366	,568451	,525769	,807866	,523775	,773429	,520720	,343570

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	----	-------	-------	-------	-------	-------	-------	-------	-------	,005052
2 OTHER AGRICULTURAL PROD,	------	,057638	,081294	-------	-------	-------	-------	-------	-------	,066287
3 FOREST AND FISH PRODUCTS	-------	-------	,017672	-------	-------	-------	-------	-------	-------	,003893
4 IRON ORES MINING	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
5 NONFERROUS ORES MINING	----	,007746	-------	-------	-------	-------	-------	-------	-------	-------
6 CRUDE OIL AND NATURAL GAS	------	-------	-------	-------	-------	-------	-------	-------	-------	,010170
7 OTHER MINING	,010790	,011517	,025317	,014850	,014203	,014870	,013218	,015255	,015922	,004977
8 CONSTRUCTION	,098545	,134711	,096080	,325337	,326193	,334253	,329395	,327997	,324538	1,045069
9 ORDNANCE AND ACCESSORIES	,184125	,057378	,016738	-------	-------	-------	-------	-------	-------	-------
10 FOOD PRODUCTS AND TOBACCO	----	,021912	,039247	,009644	,010377	,007243	,009657	,007430	,009970	,067958
11 TEXTILE AND APPAREL	,593848	,502058	1,310308	,348380	,343607	,355080	,340930	,345100	,343019	,103527
12 LUMBER AND WOOD PRODUCTS	,325109	,131374	,893633	-------	-------	-------	-------	-------	-------	,002566
13 PAPER AND PRODUCTS	,000138	,608065	1,334908	,043014	,042928	,044945	,044943	,046108	,039529	,056279
14 PRINTING AND PUBLISHING	,005072	,019865	,175681	,011879	,008521	-------	,007930	-------	,008188	,049628
15 CHEMICALS AND PRODUCTS	,021689	,421038	,115459	-------	-------	-------	-------	-------	-------	,020095
16 OTHER CHEMICAL PRODUCTS	,055024	,109386	,126943	,081961	,082034	,083980	,081432	,078322	,081742	,017446
17 PETROLEUM REFINING	,016274	,009348	,020541	,145822	,145370	,148364	,145515	,144332	,145548	,272439
18 RUBBER AND PLASTICS	,545581	,719936	2,019734	,055962	,049630	,048905	,043469	,050171	,028051	,195779
19 LEATHER AND PRODUCTS	,002040	,053007	,384864	-------	-------	-------	-------	-------	-------	-------
20 GLASS AND PRODUCTS	,238990	,251213	,159490	,088963	,090575	,086210	,084291	,088442	,089667	,027361
21 STONE AND CLAY PRODUCTS	,094665	,067422	,112468	,013248	,011403	,015919	,014149	,016331	,012174	,007992
22 PRIMARY IRON AND STEEL	1,731665	,491012	,760025	,213763	,215708	,217680	,212834	,212150	,213090	,130447
23 PRIMARY NONFERROUS METALS	,438377	,706348	,770814	,135171	,134520	,139011	,133315	,135104	,134290	,007051
24 MTNG,PLMG,AND STRL, METAL	,094296	,034506	,024768	-------	-------	-------	-------	-------	-------	-------
25 OTHER FABRICATED METALS	2,278209	1,228307	1,006614	,593977	,591145	,579415	,591096	,580906	,590160	,078420
26 ENGINES AND TURBINES	,180050	-------	-------	,027376	,027001	,030839	,027411	,031638	,026730	,033990
27 MACHINERY AND EQUIPMENT	1,442948	,576897	,131049	,230855	,225345	,243082	,228774	,220037	,229646	,093898
28 OFFICE MACHINES	,198731	,065085	,086500	-------	-------	-------	-------	-------	-------	,002609
29 OTHER ELECTRICAL EQPT,	1,239194	2,501486	,591243	,043416	,047630	,061376	,040916	,078706	,042245	,106781
30 SHIPBUILDING AND REPAIR	,051292	,010480	-------	1,779412	1,777341	1,814461	1,768567	1,776824	1,775571	-------
31 OTHER TRANSPORT EQPT,	6,255229	,236419	,129602	,062288	,061864	,057574	,059704	,059065	,063112	,297955
32 INSTRUMENTS	,298536	3,182917	,069282	,151758	,151294	,139085	,151098	,142686	,148917	,020867
33 MISCELLANEOUS MFG,	,031087	,174872	2,881984	,037313	,037059	,034489	,038319	,035382	,034289	,010448
34 DEEPSEA FOREIGN	,004600	,015037	,036518	-------	,012111	-------	-------	-------	-------	-------
35 DEEPSEA DOMESTIC	,003766	,001369	,003210	,017890	,632166	,022628	,015085	,023214	,015575	,027812
36 GREAT LAKES TRANS,	,000759	,001116	,000523	,001535	-------	,018442	-------	-------	-------	,000479
37 RIVER AND CANAL TRANS,	,001402	,001251	-------	,004302	,003086	-------	5,910698	-------	,005931	,006041
38 LOCAL WATER TRANS,	-------	-------	,000640	1,492461	4,874727	-------	4,491384	-------	-------	,001172
39 SERVICE TO WATER TRANS,	-------	-------	-------	5,089962	13,155589	1,940481	1,806713	,327586	,634942	-------
40 OTHER TRANS, AND STORAGE	,735867	,332850	,725531	2,302156	3,052791	3,241249	2,710931	1,339301	,984648	5,717153
41 COMMUNICATIONS	,188556	,301146	,209442	,218712	,220799	,227118	,216294	,199712	,218359	,438667
42 UTILITIES	,080163	,081881	,088272	,050161	,047975	,051849	,051847	,053192	,048575	,120276
43 WHOLESALE/RETAIL	2,226533	3,334939	4,447697	1,214919	1,173819	1,080006	1,125477	,993349	1,150653	3,314843
44 FINANCE INS, AND R,E,	,226217	,412477	,447404	,592067	,589077	,618642	,596822	,595960	,647371	,839914
45 SERVICES	1,982269	2,736251	2,602002	1,608528	1,608984	1,621254	1,598670	1,611251	1,604118	2,353312
46 GOVERNMENT ENTERPRISE	,054414	,068093	,105566	,194090	,194469	,185097	,222107	,170900	6,732484	1,379866
47 NONCOMPETITIVE IMPORTS	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
48 COMPETITIVE IMPORTS	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
49 DUMMY INDUSTRIES	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
50 MISCELLANEOUS INDUSTRIES	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ,	----	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 COLUMN SUM	21,976348	19,658353	22,047861	17,201173	29,959338	13,463548	23,172592	9,706451	16,399053	16,938517
53 LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	16,852273	30,038673	24,482179	34,315366	59,891809	65,214887	59,760532
54 EMP, MULTIPLIER (DIRECT)	,862608	,479120	,481564	1,021916	,997359	,549934	,675283	,162066	,251462	,283440

	41	42	43	44	45	46	47	48	49	50
1 LIVESTOCK AND PRODUCTS	,000000	,000000	,000000	,396993	,026090	,000000	,000000	,000000	,110851	,000000
2 OTHER AGRICULTURAL PROD,	,000000	,000000	,004953	,552850	,117310	1,677636	,000000	,000000	,542256	,000000
3 FOREST AND FISH PRODUCTS	,000000	,000000	,058413	,068555	,011425	,004769	,000000	,000000	,218421	,000000
4 IRON ORES MINING	,000000	,000118	,000018	,000328	,000000	,000000	,000000	,000000	,000000	,000000
5 NONFERROUS ORES MINING	,000000	,000613	,000160	,002050	,000000	,000000	,000000	,000000	,000000	,000000
6 CRUDE OIL AND NATURAL GAS	,000000	1,239671	,000000	,018770	,000000	,000000	,000000	,000000	,000000	,000000
7 OTHER MINING	,001228	,947437	,001885	,017607	,004338	,330203	,000000	,000000	,000000	,000000
8 CONSTRUCTION	,982458	1,175491	,124257	1,747964	,340167	3,941879	,000000	,000000	,000000	,000000
9 ORDNANCE AND ACCESSORIES	,000000	,000158	,006856	,001982	,000157	,000000	,000000	,000000	,082274	,000000
10 FOOD PRODUCTS AND TOBACCO	,000000	,000927	,106033	,017402	,064596	,134098	,000000	,000000	3,841365	,000000
11 TEXTILE AND APPAREL	,011461	,022202	,087077	,030355	,106435	,072693	,000000	,000000	,251483	,000000
12 LUMBER AND WOOD PRODUCTS	,000000	,001318	,075030	,012128	,003439	,000000	,000000	,000000	,011516	,000000
13 PAPER AND PRODUCTS	,029287	,029336	,288049	,054752	,074622	,035275	,000000	,000000	1,112398	,000000
14 PRINTING AND PUBLISHING	,087333	,009266	,109787	,198037	3,176511	,150286	,000000	,000000	4,716395	,000000
15 CHEMICALS AND PRODUCTS	,000449	,030791	,026650	,037998	,041620	,148200	,000000	,000000	,019842	,000000
16 OTHER CHEMICAL PRODUCTS	,000990	,000163	,040350	,014503	,241675	,043960	,000000	,000000	,100427	,000000
17 PETROLEUM REFINING	,019761	,050025	,057170	,034222	,034696	,055117	,000000	,000000	,004985	,000000
18 RUBBER AND PLASTICS	,034896	,021570	,146800	,035807	,214797	,077327	,000000	,000000	,053814	,000000
19 LEATHER AND PRODUCTS	,000000	,000176	,016442	,002781	,096721	,006455	,000000	,000000	,180794	,000000
20 GLASS AND PRODUCTS	,000000	,000000	,036344	,005175	,044297	,005809	,000000	,000000	,011876	,000000
21 STONE AND CLAY PRODUCTS	,000188	,000793	,040979	,009686	,070113	,012189	,000000	,000000	,006953	,000000
22 PRIMARY IRON AND STEEL	,000000	,031358	,006545	,011074	,002059	,014001	,000000	,000000	,385993	,000000
23 PRIMARY NONFERROUS METALS	,008629	,005673	,004994	,004404	,000737	,000896	,000000	,000000	,191376	,000000
24 MTNG,PLMG,AND STRL, METAL	,000000	,000103	,042558	,010891	,000000	,000668	,000000	,000000	,096784	,000000
25 OTHER FABRICATED METALS	,000777	,025013	,069233	,009294	,452782	,031459	,000000	,000000	,436483	,000000
26 ENGINES AND TURBINES	,000000	,001243	,002840	,000644	,018740	,020308	,000000	,000000	,020896	,000000
27 MACHINERY AND EQUIPMENT	,000337	,038044	,085309	,069677	,243752	,036131	,000000	,000000	,283225	,000000
28 OFFICE MACHINES	,000000	,000000	,025714	,050596	,079624	,006035	,000000	,000000	,047515	,000000
29 OTHER ELECTRICAL EQPT,	,521907	,080557	,105982	,062497	,284519	,010104	,000000	,000000	,606803	,000000
30 SHIPBUILDING AND REPAIR	,000000	,000000	,000536	,001292	,000000	,005999	,000000	,000000	,025633	,000000
31 OTHER TRANSPORT EQPT,	,003735	,001843	,030316	,027375	,226812	,024247	,000000	,000000	,213436	,000000
32 INSTRUMENTS	,006379	,000110	,057766	,016259	,276419	,012306	,000000	,000000	,644121	,000000
33 MISCELLANEOUS MFG,	,007118	,000123	,068943	,010521	,337656	,006602	,000000	,000000	1,338712	,000000
34 DEEPSEA FOREIGN	,000000	,000000	,000000	,000000	,000045	,000195	,000000	,000000	,057834	,000000
35 DEEPSEA DOMESTIC	,002268	,012073	,005902	,009478	,004961	,009703	,000000	,000000	,006882	,000000
36 GREAT LAKES TRANS,	,000109	,005182	,000165	,000167	,000391	,001836	,000000	,000000	,000620	,000000
37 RIVER AND CANAL TRANS,	,000457	,027308	,001260	,000405	,002102	,015439	,000000	,000000	,003040	,000000
38 LOCAL WATER TRANS,	,000000	,000802	,000293	,000037	,000080	,000000	,000000	,000000	,000000	,000000
39 SERVICE TO WATER TRANS,	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
40 OTHER TRANS, AND STORAGE	,108310	,815681	,437105	,429594	,333913	3,980566	,000000	,000000	17,496172	,000000
41 COMMUNICATIONS	,684388	,114831	,466476	,321848	1,506102	,156762	,000000	,000000	,000000	,000000
42 UTILITIES	,136978	3,182974	,254364	,088482	,256102	1,258321	,000000	,000000	,000000	,000000
43 WHOLESALE/RETAIL	,864398	,535434	2,046884	1,357329	2,877937	1,071056	,000000	,000000	4,687994	,000000
44 FINANCE INS, AND R,E,	,559587	,200460	1,358777	2,225673	1,182449	,700720	,000000	,000000	,006337	,000000
45 SERVICES	5,719279	,721747	4,570059	3,661868	4,665007	2,505674	,000000	,000000	7,160693	,000000
46 GOVERNMENT ENTERPRISE	,199310	7,386552	,715975	,705747	,411359	,066045	,000000	,000000	,000000	,000000
47 NONCOMPETITIVE IMPORTS	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
48 COMPETITIVE IMPORTS	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
49 DUMMY INDUSTRIES	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
50 MISCELLANEOUS INDUSTRIES	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
51 INVENTORY VALUE ADJ,	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
52 COLUMN SUM	9,992017	16,717168	11,584850	12,305098	17,832559	16,710969	,000000	,000000	44,895381	,000000
53 LABOR OUTPUT RATIO	43,071319	17,207470	95,876446	20,030434	67,256720	49,143167	,000000	,000000	,000000	,000000
54 EMP, MULTIPLIER (DIRECT)	,231988	,971536	,117165	,614320	,265142	,34004/	**********	**********	**********	**********

	1	2	3	4	5	6	7	8	9	10
1 LIVESTOCK AND PRODUCTS	1,001193	[illegible]	[illegible]	,002635	,002526	[illegible]	[illegible]	[illegible]	[illegible]	,003161
2 OTHER AGRICULTURAL PROD.	1,006634	1,004891	,171341	,003609	,003795	,003861	,003645	,004547	,004397	,004397
3 FOREST AND FISH PRODUCTS	,040264	,053106	1,028394	,000823	,001093	,000919	,000917	,006020	,001388	,022829
4 IRON ORES MINING	,000613	,000796	,002591	1,057970	,006190	,001270	,001354	,003758	,002546	,000967
5 NONFERROUS ORES MINING	,000587	,000909	,000443	,024133	1,154245	,000657	,002465	,003778	,004694	,000720
6 CRUDE OIL AND NATURAL GAS	,002787	,004402	,012564	,008136	,009454	1,031145	,013966	,015161	,007158	,011703
7 OTHER MINING	,000044	,011491	,003322	,010539	,011357	,003614	1,096936	,020699	,006537	,005890
8 CONSTRUCTION	,000412	,000737	,000772	,000607	,001221	,000961	,001117	1,011805	,011491	,019206
9 INSURANCE AND ACCESSORIES	,000186	,000236	,000179	,002247	,000336	,000276	,000265	,000594	1,078704	,000225
10 FOOD PRODUCTS AND TOBACCO	,000376	,017109	,000426	,005127	,006635	,000259	,000878	,000868	,001168	1,008330
11 TEXTILE AND APPAREL	,000548	,011381	,046464	,006048	,004079	,003204	,012951	,013776	,014029	,010769
12 LUMBER AND WOOD PRODUCTS	,000534	,000757	,000979	,000554	,001110	,000569	,000597	,004723	,010949	,000926
13 PAPER AND PRODUCTS	,017515	,011701	,002975	,006373	,007154	,006282	,013198	,018974	,022174	,058415
14 PRINTING AND PUBLISHING	,009546	,009412	,005062	,007641	,006214	,006932	,007486	,011370	,010510	,018654
15 CHEMICALS AND PRODUCTS	,051762	,115067	,037892	,028532	,050899	,019085	,034599	,018624	,043691	,040714
16 OTHER CHEMICAL PRODUCTS	,006251	,004744	,002011	,002788	,002870	,003057	,002735	,018308	,004419	,008183
17 PETROLEUM REFINING	,052102	,052084	,022180	,011268	,013873	,008769	,027693	,030982	,012510	,022167
18 RUBBER AND PLASTICS	,013554	,017023	,010562	,015663	,013723	,007423	,019355	,021617	,020595	,024499
19 LEATHER AND PRODUCTS	,000778	,000365	,000242	,000267	,000252	,000233	,000311	,000524	,000547	,000537
20 GLASS AND PRODUCTS	,002990	,000834	,000860	,000683	,000657	,000697	,000588	,004632	,002739	,014581
21 STONE AND CLAY PRODUCTS	,003706	,004707	,001935	,004290	,005732	,010857	,027528	,079071	,005808	,003361
22 PRIMARY IRON AND STEEL	,009845	,010725	,009592	,044172	,055976	,022817	,039052	,072524	,109603	,017429
23 PRIMARY NONFERROUS METALS	,005993	,007422	,004982	,011744	,012404	,008223	,012591	,057366	,071378	,008585
24 MTNG,PLMG,AND STRL, METAL	,002883	,003062	,001259	,003598	,003178	,008128	,003662	,092585	,003554	,002388
25 OTHER FABRICATED METALS	,015464	,010905	,020401	,010857	,016451	,010991	,019809	,039484	,054613	,041241
26 ENGINES AND TURBINES	,000606	,000805	,001508	,003742	,008296	,004297	,006092	,002399	,003349	,000656
27 MACHINERY AND EQUIPMENT	,011272	,020023	,006810	,028119	,070865	,023711	,043239	,027574	,051006	,013309
28 OFFICE MACHINES	,000977	,001098	,000568	,001040	,000986	,001410	,000967	,011358	,004650	,001024
29 OTHER ELECTRICAL EQPT,	,005708	,006855	,003572	,007042	,008357	,019733	,009374	,041383	,082201	,005450
30 SHIPBUILDING AND REPAIR	,000233	,000254	,000348	,002118	,001542	,000379	,000282	,000595	,000421	,000281
31 OTHER TRANSPORT EQPT,	,003982	,004101	,007145	,008024	,006454	,003122	,004144	,006919	,181780	,004543
32 INSTRUMENTS	,001560	,001691	,001117	,001866	,002022	,002250	,001588	,006505	,023724	,002211
33 MISCELLANEOUS MFG,	,001689	,001809	,002382	,001659	,001862	,001451	,001788	,004893	,003217	,002187
34 DEEPSEA FOREIGN	,001933	,002093	,006949	,053752	,037992	,007092	,003018	,002120	,002309	,003540
35 DEEPSEA DOMESTIC	,001280	,001935	,000825	,000503	,000425	,000512	,000952	,001182	,000614	,001054
36 GREAT LAKES TRANS,	,000282	,000259	,000128	,001649	,000243	,000159	,000280	,000724	,000428	,000269
37 RIVER AND CANAL TRANS,	,001639	,001077	,000550	,000721	,000595	,000241	,000661	,000712	,000578	,001349
38 LOCAL WATER TRANS,	,000298	,000314	,000341	,001440	,001034	,000241	,000210	,000229	,000103	,000358
39 SERVICE TO WATER TRANS,	,000471	,000600	,000737	,004417	,003111	,000676	,000468	,000451	,000338	,000543
40 OTHER TRANS, AND STORAGE	,054910	,034028	,026391	,025810	,027675	,018748	,026638	,025548	,037476	,001511
41 COMMUNICATIONS	,010985	,009619	,004062	,006671	,006582	,005770	,006902	,012158	,017813	,012457
42 UTILITIES	,020386	,023080	,009834	,046004	,045440	,021785	,048806	,020051	,022881	,025470
43 WHOLESALE/RETAIL	,101240	,079948	,043036	,027520	,036669	,028116	,039016	,110883	,056772	,088116
44 FINANCE INS, AND R,E,	,101579	,132656	,061961	,117046	,078840	,207672	,088035	,054081	,037770	,073829
45 SERVICES	,074342	,087586	,037882	,066096	,043771	,046979	,062308	,097789	,072009	,098116
46 GOVERNMENT ENTERPRISE	,009121	,009107	,004729	,012316	,011700	,008497	,011850	,009427	,008937	,010748
47 NONCOMPETITIVE IMPORTS	,004579	,002254	,009993	,005570	,004217	,001564	,001479	,003052	,002151	,019063
48 COMPETITIVE IMPORTS	,029886	,032562	,126014	,061556	,252359	,084026	,048354	,027088	,036842	,038511
49 DUMMY INDUSTRIES	,010329	,010228	,011772	,013943	,017180	,018974	,015687	,022378	,031893	,015599
50 MISCELLANEOUS INDUSTRIES	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
51 INVENTORY VALUE ADJ,	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
52 GROSS MULT, (INDIRECT)	2,621015	2,408779	1,928247	2,102091	2,090030	1,726315	1,804542	2,153720	2,211957	2,617961
53 DOMESTIC MULT,(INDIRECT)	2,500550	1,774163	1,789523	1,734965	1,853466	1,640785	1,754710	2,123580	2,172904	2,560387

	11	12	13	14	15	16	17	18	19	20
1 LIVESTOCK AND PRODUCTS	,019352	,009101	,006560	,004065	,006814	,014456	,003593	,005394	,028366	,002872
2 OTHER AGRICULTURAL PROD.	,033748	,022449	,007067	,004614	,007919	,014793	,003813	,006862	,021120	,003374
3 FOREST AND FISH PRODUCTS	,009750	,063673	,005468	,001620	,002064	,002261	,000897	,001731	,003725	,001926
4 IRON ORES MINING	,000593	,002670	,001151	,000733	,004319	,001700	,000994	,001594	,000890	,000657
5 NONFERROUS ORES MINING	,000640	,001528	,000993	,000810	,006699	,001828	,000855	,001886	,000769	,001308
6 CRUDE OIL AND NATURAL GAS	,008362	,009646	,012655	,007216	,056898	,016069	,479527	,018244	,007491	,009895
7 OTHER MINING	,005479	,005644	,015160	,005120	,048495	,012993	,007993	,015082	,005017	,021694
8 CONSTRUCTION	,013141	,015128	,019520	,016679	,024291	,018409	,043070	,017504	,012046	,019675
9 ORDNANCE AND ACCESSORIES	,000220	,001525	,000545	,000495	,000897	,000404	,000259	,000518	,000256	,000256
10 FOOD PRODUCTS AND TOBACCO	,012093	,009069	,019720	,010644	,021269	,045745	,007617	,014569	,084713	,007620
11 TEXTILE AND APPAREL	1,745837	,062370	,034613	,018664	,010716	,012261	,004034	,005813	,148977	,010382
12 LUMBER AND WOOD PRODUCTS	,006459	1,500287	,094580	,019095	,009772	,008636	,005142	,011300	,020727	,029330
13 PAPER AND PRODUCTS	,032369	,029648	1,339681	,237392	,036571	,061845	,015724	,060131	,047841	,093704
14 PRINTING AND PUBLISHING	,008542	,008131	,020688	1,136451	,010126	,023451	,008455	,010651	,010307	,008752
15 CHEMICALS AND PRODUCTS	,059351	,032241	,071766	,044058	1,260675	,191772	,044232	,239423	,052577	,047707
16 OTHER CHEMICAL PRODUCTS	,005586	,014296	,006662	,004539	,025101	1,059891	,007657	,014468	,015705	,010096
17 PETROLEUM REFINING	,014512	,017570	,021722	,012347	,113158	,030957	1,084726	,034175	,012978	,012707
18 RUBBER AND PLASTICS	,136470	,042387	,049875	,022490	,058030	,076947	,010812	1,195548	,122627	,040615
19 LEATHER AND PRODUCTS	,004861	,001009	,000680	,000547	,000513	,000788	,000304	,002506	1,235509	,000376
20 GLASS AND PRODUCTS	,003705	,005867	,001378	,000801	,001839	,015570	,000811	,003567	,002173	1,070312
21 STONE AND CLAY PRODUCTS	,003798	,011328	,005879	,002803	,008633	,006672	,009982	,007668	,003242	,023415
22 PRIMARY IRON AND STEEL	,009142	,051772	,019668	,012595	,031430	,025421	,017647	,021241	,015386	,010389
23 PRIMARY NONFERROUS METALS	,006241	,017534	,010992	,010167	,034771	,017673	,010366	,015962	,008845	,017858
24 MTNG,PLMG,AND STRL, METAL	,001734	,003960	,002569	,002005	,003282	,002538	,006105	,002890	,001747	,002670
25 OTHER FABRICATED METALS	,011255	,054581	,027786	,021921	,028888	,056264	,013809	,027925	,032290	,010003
26 ENGINES AND TURBINES	,000518	,000837	,000784	,000490	,001423	,000836	,002426	,000882	,000559	,000698
27 MACHINERY AND EQUIPMENT	,013744	,017297	,018649	,009398	,031518	,014521	,018777	,023093	,014665	,012265
28 OFFICE MACHINES	,000880	,002275	,001235	,001024	,001310	,001615	,001275	,001165	,000904	,000995
29 OTHER ELECTRICAL EQPT.	,005117	,008386	,006430	,006062	,008832	,008082	,012593	,007448	,005823	,007606
30 SHIPBUILDING AND REPAIR	,000212	,000538	,000317	,000136	,000444	,000243	,000952	,000391	,000189	,000260
31 OTHER TRANSPORT EQPT.	,003487	,006919	,004194	,003584	,005731	,006553	,003850	,008631	,003994	,008361
32 INSTRUMENTS	,003380	,004511	,004257	,012396	,002981	,007455	,002820	,003318	,005575	,003921
33 MISCELLANEOUS MFG.	,016420	,004942	,003542	,004357	,003272	,004838	,001619	,008125	,013648	,003921
34 DEEPSEA FOREIGN	,003026	,010101	,003713	,001196	,004065	,002199	,007199	,002887	,002075	,004195
35 DEEPSEA DOMESTIC	,000669	,001171	,001142	,000528	,003077	,001205	,012343	,001580	,000862	,000570
36 GREAT LAKES TRANS.	,000098	,000287	,000597	,000209	,000412	,000245	,000206	,000256	,000193	,000356
37 RIVER AND CANAL TRANS.	,000518	,001175	,001378	,000434	,002170	,000961	,002687	,001145	,000430	,000634
38 LOCAL WATER TRANS.	,000255	,000644	,000458	,000139	,000542	,000242	,001452	,000306	,000177	,000218
39 SERVICE TO WATER TRANS.	,000394	,001081	,000585	,000221	,001025	,000455	,003173	,000592	,000358	,000477
40 OTHER TRANS. AND STORAGE	,037270	,047908	,070089	,040482	,055614	,047482	,059809	,047307	,038146	,049896
41 COMMUNICATIONS	,011101	,010218	,017835	,019835	,010909	,016747	,007495	,012023	,011824	,009361
42 UTILITIES	,026867	,025595	,041204	,022779	,062297	,027905	,038821	,037756	,022937	,059465
43 WHOLESALE/RETAIL	,074794	,069542	,063961	,051772	,053805	,064424	,036025	,063892	,083596	,053210
44 FINANCE INS. AND R,E.	,059142	,052708	,056471	,089618	,080604	,084762	,149455	,060959	,060298	,054275
45 SERVICES	,000544	,061126	,067911	,090110	,080508	,207922	,071792	,079768	,073667	,064619
46 GOVERNMENT ENTERPRISE	,011014	,009527	,012582	,022405	,016697	,012457	,012622	,011672	,011577	,014453
47 NONCOMPETITIVE IMPORTS	,005231	,003281	,002655	,001949	,005117	,006306	,003410	,012585	,005632	,002074
48 COMPETITIVE IMPORTS	,045377	,074248	,098441	,025312	,061826	,031932	,086322	,041506	,038154	,045223
49 DUMMY INDUSTRIES	,017483	,015902	,027890	,026616	,020741	,031821	,015181	,022352	,017284	,018622
50 MISCELLANEOUS INDUSTRIES	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
51 INVENTORY VALUE ADJ.	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
52 GROSS MULT. (INDIRECT)	2,570881	2,223230	2,295555	2,028903	2,328094	2,300572	2,340706	2,266291	2,307889	1,873271
53 DOMESTIC MULT.(INDIRECT)	2,520273	2,145701	2,194519	2,001642	2,261150	2,262334	2,250973	2,212199	2,264103	1,825973

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	,003062	,004445	,006640	,004068	,003427	,003400	,003180	,004103	,003285	,002802
2	OTHER AGRICULTURAL PROD,	,003644	,004191	,005853	,003970	,003463	,003279	,003144	,003971	,003401	,002883
3	FOREST AND FISH PRODUCTS	,001116	,001118	,001564	,001346	,001287	,000917	,000951	,001223	,001407	,001320
4	IRON ORES MINING	,002916	,063027	,003324	,017366	,015745	,009780	,009355	,004727	,003924	,007906
5	NONFERROUS ORES MINING	,002690	,007806	,086832	,009170	,007876	,007353	,004696	,005268	,005962	,005589
6	CRUDE OIL AND NATURAL GAS	,015165	,010773	,009757	,008196	,007932	,007772	,007493	,005993	,006446	,006264
7	OTHER MINING	,104679	,036379	,006912	,012353	,012133	,009021	,008122	,005633	,005776	,006989
8	CONSTRUCTION	,023515	,023490	,016467	,017005	,015291	,014383	,013872	,013664	,012980	,013493
9	ORDNANCE AND ACCESSORIES	,000275	,000585	,000585	,001770	,001362	,008723	,001808	,001859	,005672	,006217
10	FOOD PRODUCTS AND TOBACCO	,007814	,014083	,021847	,012176	,010147	,010328	,009163	,011863	,009360	,008198
11	TEXTILE AND APPAREL	,020853	,006256	,008539	,007546	,009770	,008243	,007768	,008962	,010168	,007470
12	LUMBER AND WOOD PRODUCTS	,010857	,008717	,012566	,014469	,013434	,007404	,008794	,011648	,017780	,017705
13	PAPER AND PRODUCTS	,044913	,012110	,016596	,020963	,029570	,016849	,013053	,026083	,028943	,010595
14	PRINTING AND PUBLISHING	,008894	,012109	,015248	,011800	,016559	,010204	,009668	,021513	,011511	,008275
15	CHEMICALS AND PRODUCTS	,041096	,028903	,030531	,018789	,026514	,014363	,014783	,018496	,026291	,011091
16	OTHER CHEMICAL PRODUCTS	,004637	,003870	,004237	,013163	,011566	,004884	,004684	,007002	,006474	,005409
17	PETROLEUM REFINING	,024493	,015588	,013781	,012852	,012375	,013228	,012767	,009902	,010504	,010034
18	RUBBER AND PLASTICS	,031916	,010763	,026321	,014194	,024449	,016304	,023772	,028667	,039767	,011656
19	LEATHER AND PRODUCTS	,000806	,000570	,001038	,000531	,000778	,000766	,000703	,000701	,000780	,000448
20	GLASS AND PRODUCTS	,001167	,001094	,001212	,006222	,002110	,002018	,001494	,003574	,012733	,003559
21	STONE AND CLAY PRODUCTS	1,131320	,009266	,006363	,008805	,008308	,016066	,013323	,010700	,011094	,011527
22	PRIMARY IRON AND STEEL	,034902	1,263235	,053328	,346432	,313167	,194376	,186249	,093024	,076046	,157242
23	PRIMARY NONFERROUS METALS	,013705	,062347	1,488009	,136938	,116101	,114087	,068932	,083122	,092749	,086245
24	MTNG,PLMG,AND STRL, METAL	,004157	,006041	,003132	1,028549	,007951	,008273	,013194	,017305	,004482	,062033
25	OTHER FABRICATED METALS	,023515	,038322	,029438	,074350	1,062460	,061748	,056573	,065752	,057274	,050232
26	ENGINES AND TURBINES	,002704	,002150	,002215	,004680	,002729	1,084481	,019404	,002761	,004526	,058032
27	MACHINERY AND EQUIPMENT	,035778	,025543	,043354	,064756	,058369	,176574	1,177389	,056580	,036877	,124619
28	OFFICE MACHINES	,001522	,001652	,001504	,017145	,004351	,002852	,004886	1,116316	,011435	,003562
29	OTHER ELECTRICAL EQPT,	,011536	,024182	,030554	,035653	,019689	,075754	,053316	,255427	1,240462	,032917
30	SHIPBUILDING AND REPAIR	,000368	,000736	,000628	,004327	,000615	,004280	,001322	,000326	,000268	1,007708
31	OTHER TRANSPORT EQPT,	,004742	,012887	,010089	,020098	,024818	,108517	,025380	,030989	,025603	,027459
32	INSTRUMENTS	,002438	,004846	,003605	,009597	,005666	,006219	,006765	,014487	,013528	,008186
33	MISCELLANEOUS MFG,	,006358	,003211	,004859	,003137	,004425	,002685	,003025	,005689	,004658	,002187
34	DEEPSEA FOREIGN	,002632	,008410	,012143	,004020	,004251	,003299	,003037	,002366	,002635	,002222
35	DEEPSEA DOMESTIC	,001202	,001116	,000708	,000789	,000729	,000644	,000607	,000465	,000511	,000494
36	GREAT LAKES TRANS,	,002583	,004278	,000294	,001270	,001162	,000726	,000696	,000383	,000361	,000585
37	RIVER AND CANAL TRANS,	,001498	,002912	,000997	,001149	,001087	,000715	,000638	,000425	,000449	,000583
38	LOCAL WATER TRANS,	,000289	,000562	,000445	,000269	,000265	,000200	,000184	,000139	,000152	,000151
39	SERVICE TO WATER TRANS,	,000575	,001106	,001141	,000550	,000551	,000435	,000403	,000306	,000336	,000311
40	OTHER TRANS, AND STORAGE	,067248	,078175	,069907	,057521	,049692	,042120	,037294	,037271	,033799	,038843
41	COMMUNICATIONS	,012292	,010226	,009354	,014168	,010903	,012519	,012785	,014706	,014765	,012350
42	UTILITIES	,060282	,054319	,051104	,034834	,034018	,026804	,025565	,021717	,024511	,025502
43	WHOLESALE/RETAIL	,052440	,060563	,077381	,070459	,053073	,072011	,063362	,075523	,062247	,060852
44	FINANCE INS, AND R,E,	,067251	,045958	,052276	,057564	,047786	,044354	,055162	,071737	,053232	,039416
45	SERVICES	,068735	,072136	,060318	,073255	,064051	,064864	,063361	,073904	,073747	,054131
46	GOVERNMENT ENTERPRISE	,016374	,014385	,013785	,011372	,010360	,009585	,009190	,009383	,009290	,008777
47	NONCOMPETITIVE IMPORTS	,002661	,003139	,007437	,002459	,002344	,003715	,002592	,002363	,004181	,001778
48	COMPETITIVE IMPORTS	,038191	,099182	,179781	,054552	,061497	,063444	,062332	,050161	,057303	,032569
49	DUMMY INDUSTRIES	,017741	,047902	,075553	,039224	,031209	,033715	,028673	,038030	,028713	,026298
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ,	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT, (INDIRECT)	2,059548	2,254666	2,579573	2,385871	2,227343	2,404281	2,154912	2,346210	2,168598	2,084713
53	DOMESTIC MULT,(INDIRECT)	2,018697	2,152345	2,392355	2,328859	2,163503	2,337122	2,089988	2,293686	2,106914	2,050366

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	.003508	.003975	.004679	.002115	.002655	.001986	.002533	.001779	.002658	.003746
2	OTHER AGRICULTURAL PROD.	.004106	.005012	.007039	.002728	.003725	.002468	.003119	.002117	.005951	.005029
3	FOREST AND FISH PRODUCTS	.001499	.001237	.002669	.000573	.000726	.000539	.000678	.000480	.000816	.000918
4	IRON ORES MINING	.007568	.002751	.002969	.001407	.001692	.001337	.001693	.001254	.001356	.000800
5	NONFERROUS ORES MINING	.004809	.005099	.004705	.001322	.001585	.001262	.001583	.001190	.001277	.000486
6	CRUDE OIL AND NATURAL GAS	.007097	.006394	.007612	.014590	.017776	.014160	.017684	.012666	.014827	.025227
7	OTHER MINING	.007253	.005376	.006185	.002730	.003480	.002533	.003147	.002310	.004367	.002931
8	CONSTRUCTION	.013921	.012922	.012981	.018618	.024311	.017733	.022109	.015295	.030758	.041703
9	ORDNANCE AND ACCESSORIES	.009667	.003024	.001083	.000400	.000481	.000383	.000481	.000361	.000382	.000281
10	FOOD PRODUCTS AND TOBACCO	.009569	.011339	.012812	.005049	.006358	.004676	.006061	.004183	.006209	.009987
11	TEXTILE AND APPAREL	.034559	.026184	.061597	.015927	.018877	.015185	.018877	.014208	.014984	.007175
12	LUMBER AND WOOD PRODUCTS	.017166	.010686	.033875	.003221	.004011	.003060	.003850	.002778	.004043	.004452
13	PAPER AND PRODUCTS	.017182	.042222	.078431	.007590	.009188	.007220	.009204	.006728	.007694	.009178
14	PRINTING AND PUBLISHING	.011216	.011377	.015214	.006059	.007347	.005504	.007155	.005003	.006700	.008629
15	CHEMICALS AND PRODUCTS	.019961	.045335	.037244	.006653	.008189	.006265	.007832	.005659	.008024	.009182
16	OTHER CHEMICAL PRODUCTS	.007846	.010069	.011245	.006685	.008060	.006384	.008001	.005781	.006776	.003558
17	PETROLEUM REFINING	.011889	.010846	.013297	.030979	.037549	.030132	.037620	.026996	.029819	.052627
18	RUBBER AND PLASTICS	.039467	.041606	.093650	.007558	.008855	.007043	.008608	.006438	.006837	.012546
19	LEATHER AND PRODUCTS	.000631	.001219	.008378	.000245	.000297	.000231	.000292	.000214	.000263	.000261
20	GLASS AND PRODUCTS	.008985	.008126	.005377	.002956	.003586	.002718	.003435	.002648	.002829	.001428
21	STONE AND CLAY PRODUCTS	.007907	.005502	.006566	.003104	.003836	.003023	.003741	.002747	.004003	.004426
22	PRIMARY IRON AND STEEL	.150202	.052407	.057174	.027684	.033273	.026297	.033308	.024675	.026978	.015464
23	PRIMARY NONFERROUS METALS	.072626	.076355	.075035	.020568	.024582	.019638	.024614	.018540	.019699	.006644
24	MTNG,PLMG,AND STRL, METAL	.006789	.003354	.002836	.004332	.005353	.004124	.005180	.003779	.005248	.004241
25	OTHER FABRICATED METALS	.107086	.053722	.044887	.026155	.031195	.024168	.031430	.023201	.024761	.009161
26	ENGINES AND TURBINES	.011495	.001265	.000803	.003827	.004579	.003780	.004624	.003599	.003620	.002104
27	MACHINERY AND EQUIPMENT	.077380	.031716	.016228	.017126	.020353	.016584	.020540	.015067	.016420	.008658
28	OFFICE MACHINES	.011450	.004380	.004555	.000836	.001034	.000799	.001001	.000726	.000988	.001224
29	OTHER ELECTRICAL EQPT.	.064087	.090148	.026640	.006788	.008437	.006999	.008158	.006975	.006932	.008837
30	SHIPBUILDING AND REPAIR	.001606	.000442	.000278	.036292	.043127	.034541	.043604	.032995	.033185	.000195
31	OTHER TRANSPORT EQPT.	1.336132	.019749	.012271	.007511	.009156	.007116	.009008	.006354	.007114	.019538
32	INSTRUMENTS	.013911	1.087202	.004540	.005844	.006967	.005167	.007021	.005039	.005497	.002168
33	MISCELLANEOUS MFG.	.003872	.007094	1.070294	.002174	.002607	.001993	.002647	.001895	.002101	.001672
34	DEEPSEA FOREIGN	.002581	.002603	.004216	1.000812	.001790	.000748	.000943	.000672	.001408	.000864
35	DEEPSEA DOMESTIC	.000634	.000460	.000615	.001185	1.022315	.001298	.001339	.001223	.001081	.001792
36	GREAT LAKES TRANS.	.000603	.000290	.000295	.000186	.000151	1.000871	.000148	.000108	.000137	.000118
37	RIVER AND CANAL TRANS.	.000618	.000421	.000451	.000394	.000441	.000223	1.208367	.000191	.000516	.000501
38	LOCAL WATER TRANS.	.000176	.000146	.000222	.025072	.083294	.000148	.000758	1.000136	.000168	.000234
39	SERVICE TO WATER TRANS.	.000370	.000320	.000481	.079266	.208837	.030404	.035740	.005384	1.010183	.000452
40	OTHER TRANS. AND STORAGE	.046300	.030696	.040198	.057350	.080156	.072246	.078220	.035338	.041041	1.121450
41	COMMUNICATIONS	.012902	.014600	.012461	.009980	.012181	.009766	.011989	.008287	.010022	.016202
42	UTILITIES	.025307	.021027	.023164	.012628	.016519	.011695	.014780	.010428	.023413	.019774
43	WHOLESALE/RETAIL	.060601	.062293	.076478	.028087	.033771	.025722	.032812	.022255	.028527	.052060
44	FINANCE INS. AND R,E,	.047414	.052646	.057478	.035438	.067753	.054029	.067074	.048516	.060356	.074942
45	SERVICES	.079456	.080767	.080450	.048541	.059336	.046337	.058310	.042369	.051829	.065336
46	GOVERNMENT ENTERPRISE	.009806	.008757	.010528	.020440	.040172	.013653	.017515	.008506	.145390	.037374
47	NONCOMPETITIVE IMPORTS	.003672	.002277	.023383	.082023	.097808	.078334	.098497	.074067	.077381	.010768
48	COMPETITIVE IMPORTS	.049524	.058443	.091410	.383006	.013131	.083290	.012748	.009311	.010782	.013496
49	DUMMY INDUSTRIES	.029528	.028567	.025237	.011456	.013984	.010960	.013886	.010233	.011854	.013436
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT. (INDIRECT)	2.471935	2.062451	2.190610	2.115513	2.114881	1.724775	2.101954	1.540696	1.786794	1.713275
53	DOMESTIC MULT.(INDIRECT)	2.416740	2.001731	2.075817	1.650484	2.003941	1.563150	1.990709	1.457317	1.698631	1.689011

	41	42	43	44	45	46	47	48	49	50
1 LIVESTOCK AND PRODUCTS	,002153	,002489	,004781	,013019	,005590	,006164			,072291	
2 OTHER AGRICULTURAL PROD,	,002217	,006649	,004657	,014488	,006571	,028311			,054811	
3 FOREST AND FISH PRODUCTS	,000541	,000948	,001735	,002623	,001223	,002464			,009437	
4 IRON ORES MINING	,000278	,000640	,000332	,000442	,000724	,000722			,002124	
5 NONFERROUS ORES MINING	,000330	,000551	,000306	,000476	,000611	,000674			,002006	
6 CRUDE OIL AND NATURAL GAS	,003935	,004804	,007858	,007107	,007321	,016223			,013874	
7 OTHER MINING	,001522	,036673	,002116	,002877	,003042	,015390			,005089	
8 CONSTRUCTION	,031525	,006228	,013635	,057294	,020629	,116124			,023695	
9 ORDNANCE AND ACCESSORIES	,000192	,000155	,000424	,000233	,000389	,000186			,003567	
10 FOOD PRODUCTS AND TOBACCO	,005852	,005867	,013730	,008135	,014106	,014182			,260896	
11 TEXTILE AND APPAREL	,002434	,004032	,006021	,003718	,009214	,006494			,021535	
12 LUMBER AND WOOD PRODUCTS	,003231	,005852	,004917	,005567	,004856	,009663			,012195	
13 PAPER AND PRODUCTS	,007197	,006733	,019903	,009050	,028525	,009251			,097447	
14 PRINTING AND PUBLISHING	,012740	,006072	,012915	,013052	,088162	,011234			,132085	
15 CHEMICALS AND PRODUCTS	,003624	,010678	,007894	,008220	,014892	,018678			,027667	
16 OTHER CHEMICAL PRODUCTS	,002387	,002740	,004362	,003434	,015712	,006019			,011696	
17 PETROLEUM REFINING	,006426	,018203	,013509	,011185	,011817	,020865			,027124	
18 RUBBER AND PLASTICS	,004684	,005927	,009782	,005482	,016281	,009335			,023882	
19 LEATHER AND PRODUCTS	,000311	,000204	,000640	,000529	,002301	,000382			,004290	
20 GLASS AND PRODUCTS	,000598	,000618	,001455	,000751	,002103	,001137			,004813	
21 STONE AND CLAY PRODUCTS	,002998	,007037	,002867	,005283	,004626	,010286			,004384	
22 PRIMARY IRON AND STEEL	,005284	,011772	,006151	,007814	,013654	,013286			,041023	
23 PRIMARY NONFERROUS METALS	,004941	,006621	,004270	,005601	,008450	,008978			,030052	
24 HTNG,PLMG,AND STRL, METAL	,003076	,006613	,002680	,005790	,002475	,010913			,005686	
25 OTHER FABRICATED METALS	,004815	,006976	,007039	,005808	,022809	,009246			,036491	
26 ENGINES AND TURBINES	,000325	,001185	,000485	,000443	,001397	,001560			,002315	
27 MACHINERY AND EQUIPMENT	,003191	,008309	,006122	,006287	,013740	,007949			,020076	
28 OFFICE MACHINES	,000986	,001138	,001761	,003116	,004111	,001958			,003637	
29 OTHER ELECTRICAL EQPT,	,019492	,008910	,007028	,007108	,015678	,007770			,029890	
30 SHIPBUILDING AND REPAIR	,000059	,000246	,000098	,000125	,000128	,000458			,000854	
31 OTHER TRANSPORT EQPT,	,002657	,002613	,004171	,003889	,015643	,004872			,022844	
32 INSTRUMENTS	,001867	,001318	,003134	,002031	,010268	,002111			,021682	
33 MISCELLANEOUS MFG,	,001879	,001151	,003333	,001804	,010367	,001755			,034653	
34 DEEPSEA FOREIGN	,000324	,001949	,000520	,000490	,000702	,005505			,005397	
35 DEEPSEA DOMESTIC	,000256	,000967	,000504	,000632	,000509	,000899			,001244	
36 GREAT LAKES TRANS,	,000051	,000368	,000062	,000080	,000114	,000218			,000287	
37 RIVER AND CANAL TRANS,	,000112	,001466	,000202	,000168	,000284	,000874			,000791	
38 LOCAL WATER TRANS,	,000040	,000259	,000080	,000082	,000089	,000285			,000333	
39 SERVICE TO WATER TRANS,	,000083	,000405	,000152	,000175	,000171	,000650			,000712	
40 OTHER TRANS, AND STORAGE	,013317	,043938	,022379	,021827	,026474	,091168			,358010	
41 COMMUNICATIONS	1,021378	,007698	,016523	,013157	,043210	,009745			,016834	
42 UTILITIES	,015123	1,251331	,025900	,013904	,028619	,099465			,023362	
43 WHOLESALE/RETAIL	,020344	,024704	1,033477	,050246	,049335	,035991			,104578	
44 FINANCE INS, AND R,E,	,046186	,053995	,094000	1,142752	,094197	,067054			,071466	
45 SERVICES	,106500	,042552	,093466	,082824	1,108867	,070317			,184315	
46 GOVERNMENT ENTERPRISE	,008950	,191494	,022155	,020690	,018047	1,021552			,020405	
47 NONCOMPETITIVE IMPORTS	,006731	,004932	,001645	,001750	,002330	,022174	1,000000		,009043	
48 COMPETITIVE IMPORTS	,004837	,018930	,006994	,006301	,011083	,011525		1,000000	,097684	,019032
49 DUMMY INDUSTRIES	,018977	,012099	,020442	,015913	,029128	,013008			1,019437	
50 MISCELLANEOUS INDUSTRIES										1,000000
51 INVENTORY VALUE ADJ,										
52 GROSS MULT, (INDIRECT)	1,406954	1,997036	1,518410	1,573555	1,790575	1,825071	1,000000	1,000000	2,978008	1,019032
53 DOMESTIC MULT,(INDIRECT)	1,395386	1,973175	1,509771	1,565504	1,777162	1,791372			2,871281	1,000000

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	73,771066	4,277959	5,274345	,149407	,143237	,212812	,146748	,204508	,191248	18,605368
2	OTHER AGRICULTURAL PROD.	29,206929	79,214233	12,820104	,223841	,208110	,294831	,225038	,399881	,260864	15,490455
3	FOREST AND FISH PRODUCTS	3,187597	3,658980	70,855450	,056706	,075284	,063305	,063172	,415222	,095693	1,972906
4	IRON ORES MINING	,008992	,011691	,008092	15,532630	,090726	,017585	,034558	,055175	,082160	,014208
5	NONFERROUS ORES MINING	,019177	,029718	,014478	,788727	37,724110	,021479	,080551	,123468	,153410	,023522
6	CRUDE OIL AND NATURAL GAS	,289313	,456742	,193848	,152952	,173473	18,920716	,292125	,277683	,132821	,214782
7	OTHER MINING	,238615	,453669	,131157	,416088	,448374	,142692	43,308279	,817202	,258080	,232548
8	CONSTRUCTION	1,019107	1,054014	,369329	1,164739	,818783	1,773597	,737604	39,040058	,462721	,743132
9	ORDNANCE AND ACCESSORIES	,005506	,006794	,005301	,007289	,010000	,008156	,008321	,017546	31,884317	,006642
10	FOOD PRODUCTS AND TOBACCO	3,741638	,330159	,692775	,098205	,116045	,120942	,109471	,167001	,194375	24,197309
11	TEXTILE AND APPAREL	,424111	,562701	2,305420	,300080	,202381	,158973	,642622	,683525	,696111	,533998
12	LUMBER AND WOOD PRODUCTS	,321361	,455299	,438195	,322249	,644850	,224729	,422866	3,675362	,833657	,488222
13	PAPER AND PRODUCTS	,522519	,349080	1,282036	,190108	,213430	,185007	,393733	,566027	,661501	1,742659
14	PRINTING AND PUBLISHING	,452216	,445895	,240749	,361984	,294364	,328405	,352733	,538624	,497908	,883689
15	CHEMICALS AND PRODUCTS	1,047209	2,327935	,624976	,577307	1,029750	,386104	,708062	,380827	,883927	,823689
16	OTHER CHEMICAL PRODUCTS	,126304	,096155	,056982	,056516	,058170	,061973	,055433	,371105	,089576	,165866
17	PETROLEUM REFINING	,218019	,353724	,150496	,076474	,094215	,059689	,188074	,210413	,084963	,150546
18	RUBBER AND PLASTICS	,439961	,552590	,343485	,508482	,445465	,240314	,628277	,701710	,863298	,795252
19	LEATHER AND PRODUCTS	,051213	,024032	,035676	,017605	,016575	,015319	,020497	,034530	,035993	,035345
20	GLASS AND PRODUCTS	,136870	,058176	,039350	,031254	,030072	,031918	,026927	,212061	,125398	,067483
21	STONE AND CLAY PRODUCTS	,126627	,202746	,081794	,181300	,242272	,458875	1,163443	3,341844	,245469	,142044
22	PRIMARY IRON AND STEEL	,204478	,309934	,277168	1,276433	1,617548	,659331	1,145817	2,095741	3,168932	,503642
23	PRIMARY NONFERROUS METALS	,116415	,144176	,096773	,228132	,240951	,159727	,244589	1,114342	1,386525	,166772
24	MTNG,PLMG,AND STRL, METAL	,111349	,118278	,048647	,138983	,122763	,313961	,141456	3,576108	,137288	,092221
25	OTHER FABRICATED METALS	,540668	,381261	,713272	,379580	,575153	,384284	,692584	1,388447	1,909413	1,441895
26	ENGINES AND TURBINES	,016537	,021967	,041146	,102119	,226425	,117278	,220851	,005463	,091414	,017893
27	MACHINERY AND EQUIPMENT	,427910	,760159	,258532	1,067496	2,690310	,900149	1,641527	1,046822	1,936369	,909278
28	OFFICE MACHINES	,030080	,033777	,017467	,031999	,030337	,043398	,029756	,349539	,143093	,031499
29	OTHER ELECTRICAL EQPT.	,232530	,279270	,145517	,286877	,340465	,803885	,381895	1,685884	3,351180	,222013
30	SHIPBUILDING AND REPAIR	,012764	,013906	,019029	,115965	,084438	,020745	,015420	,032555	,823843	,015401
31	OTHER TRANSPORT EQPT.	,101441	,104482	,182032	,204419	,164429	,079527	,105570	,176269	4,631133	,115738
32	INSTRUMENTS	,064014	,069370	,045813	,076576	,082958	,092306	,065104	,206881	,973381	,090728
33	MISCELLANEOUS MFG.	,077340	,082827	,109079	,075953	,085233	,066444	,081864	,224006	,147298	,100115
34	DEEPSEA FOREIGN	,032533	,035226	,116963	,904764	,639490	,119369	,090807	,035691	,838863	,059592
35	DEEPSEA DOMESTIC	,038462	,058122	,024788	,015123	,012771	,015372	,028988	,035520	,018498	,031652
36	GREAT LAKES TRANS.	,006892	,006341	,003142	,040579	,005959	,003897	,006847	,017724	,010473	,006584
37	RIVER AND CANAL TRANS.	,036252	,036969	,018884	,024740	,020411	,008276	,022668	,024425	,019838	,046297
38	LOCAL WATER TRANS.	,017878	,018790	,020395	,086266	,061900	,014418	,012601	,013480	,009747	,020989
39	SERVICE TO WATER TRANS.	,030685	,039104	,048081	,288040	,202867	,044096	,030021	,029443	,022013	,035382
40	OTHER TRANS. AND STORAGE	3,281473	2,033560	1,577157	1,542421	1,653882	1,120412	1,591915	3,319567	2,239571	3,675927
41	COMMUNICATIONS	,473141	,414290	,174944	,287348	,283485	,248542	,297272	,523663	,767231	,536525
42	UTILITIES	,350793	,397152	,169216	,791611	,781912	,374871	,839833	,345026	,393733	,438277
43	WHOLESALE/RETAIL	10,010237	7,904973	4,255217	2,721088	3,625713	2,779978	3,857811	10,963734	5,613365	8,712574
44	FINANCE INS. AND R.E.	2,034679	2,657156	1,241135	2,344485	1,579195	4,159765	1,763378	1,083258	,756551	1,478830
45	SERVICES	4,999982	5,890721	2,076999	4,445420	2,943909	3,159680	4,190601	6,576962	4,843083	6,598979
46	GOVERNMENT ENTERPRISE	,448232	,447565	,232576	,605252	,574993	,417578	,582357	,463285	,439198	,528178
47	NONCOMPETITIVE IMPORTS	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----
48	COMPETITIVE IMPORTS	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----
49	DUMMY INDUSTRIES	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----
50	MISCELLANEOUS INDUSTRIES	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----
51	INVENTORY VALUE ADJ.	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----	--.-----
52	COLUMN SUM	139,181080	117,161070	127,877780	59,295409	61,727180	59,834702	67,649678	87,679606	71,804632	93,002625
53	LABOR OUTPUT RATIO	56,694856	74,387087	68,899771	14,681425	32,682927	15,349234	39,481123	58,584431	29,550960	19,229703
54	EMP.MULTIPLIER(INDIRECT)	2,454916	1,575027	1,565720	2,676539	1,888667	2,170919	1,713469	2,272409	2,429858	4,836405

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	1,097162	,515974	,371942	,232469	,386311	,819594	,283722	,305793	1,608205	,162836
2	OTHER AGRICULTURAL PROD,	3,996188	1,669927	,525663	,343189	,589256	1,100425	,283618	,512474	1,571823	,250968
3	FOREST AND FISH PRODUCTS	,671768	4,367029	,376732	,111613	,142226	,155780	,061775	,119239	,256642	,132676
4	IRON ORES MINING	,206704	,039229	,016892	,010767	,063419	,024959	,014597	,023401	,013078	,009643
5	NONFERROUS ORES MINING	,020921	,043417	,032438	,026481	,218949	,259746	,027936	,001654	,025141	,842765
6	CRUDE OIL AND NATURAL GAS	,133443	,176994	,232210	,132418	1,044026	,294859	8,796947	,334772	,137451	,181568
7	OTHER MINING	,216317	,222613	,593525	,202147	1,914646	,512975	,315558	,595442	,198079	,856508
8	CONSTRUCTION	,507057	,583692	,753167	,643531	,937244	,710311	1,601834	,675381	,464772	,759165
9	ORDNANCE AND ACCESSORIES	,006496	,039104	,012193	,014642	,026499	,211949	,007058	,015307	,007567	,007572
10	FOOD PRODUCTS AND TOBACCO	,232549	,174395	,379223	,204672	,409080	,879654	,146479	,280156	1,629814	,146531
11	TEXTILE AND APPAREL	86,624500	3,094669	1,717397	,926084	,531679	,608343	,200148	4,257872	7,391898	,515132
12	LUMBER AND WOOD PRODUCTS	,317692	63,956699	4,642217	,939239	,482675	,424789	,252934	,555805	1,819485	1,442653
13	PAPER AND PRODUCTS	,965627	,884462	39,947726	7,001931	1,090985	1,844961	,469886	1,793847	1,427289	2,795404
14	PRINTING AND PUBLISHING	,404673	,385191	,980059	53,836540	,479690	1,110926	,400439	,584554	,488283	,414628
15	CHEMICALS AND PRODUCTS	1,200735	,652271	1,451933	,891349	25,504992	3,879783	,894863	4,843814	1,063697	,965167
16	OTHER CHEMICAL PRODUCTS	,113224	,289781	,135039	,092014	,508785	21,483715	,155199	,293261	,318303	,284646
17	PETROLEUM REFINING	,097199	,119325	,147522	,083651	,768507	,210246	7,366891	,232108	,088138	,086298
18	RUBBER AND PLASTICS	4,429904	1,375914	1,618993	,730046	1,883896	2,497746	,350961	38,888398	3,980578	1,318489
19	LEATHER AND PRODUCTS	,320029	,066440	,044764	,036021	,033741	,051896	,020001	,104999	81,339632	,024782
20	GLASS AND PRODUCTS	,109584	,268588	,063084	,036679	,084192	,712750	,037132	,103285	,099494	48,996135
21	STONE AND CLAY PRODUCTS	,160500	,478762	,248451	,118455	,364862	,282002	,421870	,324068	,137888	,989596
22	PRIMARY IRON AND STEEL	,264168	1,496060	,568354	,363949	,908225	,734596	,509948	,613796	,444613	,388283
23	PRIMARY NONFERROUS METALS	,127057	,340591	,213522	,197484	,675434	,343299	,201355	,318063	,171818	,346883
24	MTNG,PLMG,AND STRL, METAL	,066971	,152939	,099220	,077457	,126772	,098022	,255824	,111626	,067462	,183131
25	OTHER FABRICATED METALS	,393502	1,908273	,971464	,766414	1,089979	1,967839	,462783	,976337	1,128944	,349726
26	ENGINES AND TURBINES	,014144	,022842	,021408	,013361	,038830	,022809	,066216	,024868	,015245	,019853
27	MACHINERY AND EQUIPMENT	,521766	,656664	,715572	,356769	1,196547	,551284	,712859	,876711	,556757	,465621
28	OFFICE MACHINES	,027091	,070018	,037992	,031509	,040301	,049688	,039239	,035845	,027828	,038611
29	OTHER ELECTRICAL EQPT,	,208443	,341637	,261940	,246956	,359787	,329236	,513002	,383413	,237228	,309865
30	SHIPBUILDING AND REPAIR	,011617	,029475	,017373	,007467	,024305	,013324	,052132	,021413	,010343	,014259
31	OTHER TRANSPORT EQPT,	,008836	,176264	,106843	,091306	,146008	,166952	,098085	,219898	,181784	,213818
32	INSTRUMENTS	,138701	,185107	,174666	,508597	,122316	,305864	,115714	,136138	,228748	,168874
33	MISCELLANEOUS MFG,	,751778	,226276	,163098	,199468	,149810	,221493	,074146	,372007	,624878	,179528
34	DEEPSEA FOREIGN	,050935	,170020	,062903	,020133	,068430	,037008	,121183	,048595	,034928	,078616
35	DEEPSEA DOMESTIC	,020086	,035183	,034315	,015864	,092435	,036199	,370777	,047452	,025898	,017113
36	GREAT LAKES TRANS,	,002406	,007020	,014619	,005112	,010088	,005991	,005037	,006256	,004715	,008708
37	RIVER AND CANAL TRANS,	,017764	,040266	,047294	,014905	,074462	,032987	,092217	,039292	,014743	,021749
38	LOCAL WATER TRANS,	,015289	,038542	,027409	,008311	,032468	,014502	,086966	,018328	,010587	,013039
39	SERVICE TO WATER TRANS,	,025690	,070465	,038182	,014438	,066854	,029682	,206935	,038586	,023359	,031096
40	OTHER TRANS, AND STORAGE	2,227251	2,863016	4,188938	2,419233	3,323517	2,837569	3,574217	2,827067	2,279614	2,981835
41	COMMUNICATIONS	,478153	,440123	,466666	,854323	,469856	,721302	,322811	,517836	,509270	,403209
42	UTILITIES	,462315	,440423	,709010	,391966	1,071966	,480178	,668007	,649688	,394694	1,823237
43	WHOLESALE/RETAIL	7,395368	6,876051	6,324240	5,118995	5,320000	6,369974	3,562063	6,317460	8,265716	5,261190
44	FINANCE INS, AND R,E,	1,184640	1,055772	1,123130	1,795089	1,614538	1,697818	2,993654	1,221031	1,287789	1,087156
45	SERVICES	4,072008	4,111161	4,567445	6,060521	5,414698	13,984144	4,828484	5,304934	4,954580	4,346087
46	GOVERNMENT ENTERPRISE	,541277	,468211	,623258	1,101064	,820538	,612164	,620277	,573609	,568907	,710276
47	NONCOMPETITIVE IMPORTS	--•----	--•----	-------	-------	-•-----	•------	-------	-------	-------	--•--••
48	COMPETITIVE IMPORTS	--•----	-------	-------	-------	•------	•---•--	-------	-------	-------	------•-
49	DUMMY INDUSTRIES	--•----	-------	-------	-------	-------	•---•--	-•-----	-------	-------	------••
50	MISCELLANEOUS INDUSTRIES	--•----	-------	-------	-------	-------	•---•--	-•-----	-------	-------	------••
51	INVENTORY VALUE ADJ,	-•-----	---•---	-------	-------	-•-----	•---•--	-•-----	-------	-------	------••
52	COLUMN SUM	120,823550	101,647040	75,872161	87,372616	60,641529	69,341335	42,644939	76,535049	125,175090	78,771152
53	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,251214	24,269747	6,791474	32,460757	65,834897	45,777427
54	EMP,MULTIPLIER(INDIRECT)	2,435087	2,066559	2,543298	1,844348	2,997424	3,420928	6,279188	2,357772	1,901349	1,720742

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	,173574	,252021	,376461	,230632	,194319	,192777	,180303	,232596	,186215	,158873
2 OTHER AGRICULTURAL PROD.	,271047	,311766	,435406	,295328	,257632	,243920	,233857	,295386	,253027	,214429
3 FOREST AND FISH PRODUCTS	,076872	,077039	,107733	,092730	,083172	,083152	,085542	,084280	,096971	,090958
4 IRON ORES MINING	,042813	,925320	,048803	,254955	,231162	,143581	,137341	,069402	,057610	,116070
5 NONFERROUS ORES MINING	,087931	,255126	2,857910	,299714	,257407	,240321	,155465	,172168	,194845	,182669
6 CRUDE OIL AND NATURAL GAS	,278261	,197683	,179040	,150389	,145542	,142608	,137487	,109961	,118280	,114934
7 OTHER MINING	4,132833	1,436281	,272876	,487724	,479023	,356172	,320665	,222392	,228047	,275932
8 CONSTRUCTION	,907301	,906357	,636126	,656135	,589996	,554972	,535231	,527232	,500842	,520630
9 ORDNANCE AND ACCESSORIES	,008125	,017277	,017279	,052315	,040251	,257766	,053423	,054947	,167614	,183710
10 FOOD PRODUCTS AND TOBACCO	,150260	,270805	,420120	,234143	,195121	,198609	,176201	,228123	,179996	,157643
11 TEXTILE AND APPAREL	1,034681	,310431	,423677	,374405	,484783	,408998	,385421	,444671	,504535	,370643
12 LUMBER AND WOOD PRODUCTS	,534040	,428772	,618061	,711665	,660766	,364182	,432570	,572908	,874516	,870852
13 PAPER AND PRODUCTS	1,339844	,361261	,495098	,625361	,882138	,502628	,389413	,778104	,863427	,316069
14 PRINTING AND PUBLISHING	,421335	,573663	,722342	,559021	,784442	,483377	,458017	1,019152	,545336	,392026
15 CHEMICALS AND PRODUCTS	,831432	,584751	,617683	,380121	,536418	,290572	,299082	,374205	,531892	,224382
16 OTHER CHEMICAL PRODUCTS	,093984	,078436	,085892	,266816	,234440	,098998	,094941	,141932	,131229	,109638
17 PETROLEUM REFINING	,166346	,105865	,093595	,087286	,084046	,089840	,086707	,067252	,071356	,068143
18 RUBBER AND PLASTICS	1,036029	,349375	,854413	,460733	,793641	,529238	,771669	,930550	1,290882	,378374
19 LEATHER AND PRODUCTS	,053050	,037534	,068310	,034961	,051248	,050450	,046295	,046166	,051320	,029519
20 GLASS AND PRODUCTS	,053410	,050069	,055494	,284813	,096576	,092389	,068409	,163593	,582904	,162931
21 STONE AND CLAY PRODUCTS	47,813813	,391602	,268918	,372115	,351122	,679027	,563099	,452242	,468862	,487178
22 PRIMARY IRON AND STEEL	1,008577	36,503723	1,541008	10,010852	9,049595	5,616892	5,382047	2,688103	2,197498	4,543816
23 PRIMARY NONFERROUS METALS	,266218	1,211087	28,904595	2,660023	2,255260	2,216133	1,339011	1,614651	1,801650	1,675313
24 MTNG,PLMG,AND STRL, METAL	,150579	,233353	,120958	39,727793	,307116	,319557	,509638	,668401	,173130	2,396042
25 OTHER FABRICATED METALS	,822152	1,339836	1,029227	2,599461	37,146212	2,158853	1,977937	2,298857	2,002440	1,756240
26 ENGINES AND TURBINES	,073806	,058673	,064466	,127739	,074487	29,598403	,529587	,075361	,123523	1,583842
27 MACHINERY AND EQUIPMENT	1,358277	2,108638	1,645882	2,458587	2,215912	6,703400	44,698081	2,147980	1,399973	4,730992
28 OFFICE MACHINES	,046842	,050848	,046297	,527641	,133911	,087764	,150367	54,354656	,351900	,109617
29 OTHER ELECTRICAL EQPT.	,469966	,985131	1,244713	1,452427	,802109	3,086096	2,172000	10,405646	50,534277	1,340989
30 SHIPBUILDING AND REPAIR	,020166	,040276	,034382	,236884	,033650	,234313	,072378	,017855	,014660	55,165035
31 OTHER TRANSPORT EQPT.	,120815	,328329	,257024	,512018	,632276	2,764653	,646585	,789502	,652266	,699558
32 INSTRUMENTS	,100030	,198816	,147900	,393760	,232475	,255182	,277553	,594384	,555043	,335892
33 MISCELLANEOUS MFG.	,291114	,147011	,222471	,143605	,202580	,122925	,138504	,260459	,213266	,100108
34 DEEPSEA FOREIGN	,044299	,141563	,204401	,067661	,071559	,055528	,051121	,039831	,044348	,037401
35 DEEPSEA DOMESTIC	,036092	,033532	,021262	,023690	,021907	,019339	,018237	,013962	,015358	,014828
36 GREAT LAKES TRANS.	,063233	,104735	,007199	,051096	,028439	,017771	,017048	,009380	,008844	,014316
37 RIVER AND CANAL TRANS.	,051400	,099932	,234222	,039431	,037305	,024520	,021893	,014593	,015417	,019992
38 LOCAL WATER TRANS.	,017330	,033671	,026677	,016102	,015857	,011988	,011053	,008344	,009119	,009015
39 SERVICE TO WATER TRANS.	,037470	,072117	,074424	,035883	,035954	,028345	,026304	,019936	,021940	,020273
40 OTHER TRANS. AND STORAGE	5,214016	4,671775	4,177669	3,437490	2,969643	2,517128	2,228733	2,227329	2,019817	2,321272
41 COMMUNICATIONS	,529450	,440464	,402874	,610249	,469602	,539227	,550676	,633418	,635969	,531942
42 UTILITIES	1,037304	,934695	,879375	,599411	,585357	,461231	,439916	,373699	,421771	,438831
43 WHOLESALE/RETAIL	5,185130	5,988211	7,651161	6,966744	5,247676	7,120224	6,264992	7,467423	6,154804	6,016861
44 FINANCE INS. AND R.E.	1,347066	,920565	1,047120	1,153035	,957167	,888435	1,104924	1,436926	1,066262	,789516
45 SERVICES	4,622865	4,851629	4,056763	4,926889	4,307883	4,362514	4,261427	4,970534	4,959964	3,640679
46 GOVERNMENT ENTERPRISE	,804651	,706933	,677449	,558847	,509434	,471051	,451606	,461107	,456519	,431350
47 NONCOMPETITIVE IMPORTS	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
48 COMPETITIVE IMPORTS	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
49 DUMMY INDUSTRIES	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
50 MISCELLANEOUS INDUSTRIES	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
51 INVENTORY VALUE ADJ.	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------
52 COLUMN SUM	83,235028	73,126977	64,157774	86,228479	75,776612	75,665048	78,930736	80,579596	83,749444	94,149323
53 LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	38,625100	34,962451	27,292691	37,963738	38,775019	40,738276	54,743099
54 EMP.MULTIPLIER(INDIRECT)	1,969438	2,426790	3,302483	2,232447	2,167371	2,772356	2,079109	2,618344	2,055793	1,719839

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	,198865	,225361	,276634	,119922	,150498	,112585	,143599	,100612	,150679	,212364
2 OTHER AGRICULTURAL PROD.	,305431	,372861	,523593	,202944	,276941	,183612	,231735	,157445	,442681	,374073
3 FOREST AND FISH PRODUCTS	,103268	,085237	,197686	,039484	,050050	,037153	,046733	,033095	,056192	,063273
4 IRON ORES MINING	,111113	,040385	,043589	,020662	,024841	,019627	,024852	,018408	,019912	,011745
5 NONFERROUS ORES MINING	,127184	,166637	,153765	,043220	,051723	,041242	,051723	,038880	,041738	,015884
6 CRUDE OIL AND NATURAL GAS	,130229	,117327	,139669	,267722	,326170	,259822	,324483	,232413	,272068	,462896
7 OTHER MINING	,286351	,212237	,244187	,107799	,137382	,100000	,124234	,091183	,172421	,115734
8 CONSTRUCTION	,537145	,498593	,500862	,718368	,938035	,684201	,852897	,590151	1,186794	1,609100
9 ORDNANCE AND ACCESSORIES	,285677	,089375	,031995	,011826	,014213	,011305	,014210	,010670	,011302	,008296
10 FOOD PRODUCTS AND TOBACCO	,184007	,218045	,246367	,097095	,122256	,089924	,116560	,080429	,119389	,192042
11 TEXTILE AND APPAREL	1,714749	1,299173	3,056304	,790240	,936633	,753459	,936621	,704970	,743453	,355995
12 LUMBER AND WOOD PRODUCTS	,844334	,525607	1,666186	,158414	,197273	,150521	,189369	,136650	,198871	,218985
13 PAPER AND PRODUCTS	,512564	1,259565	2,339777	,226424	,274110	,215380	,274569	,200722	,229520	,273805
14 PRINTING AND PUBLISHING	,591338	,538981	,720744	,287043	,348037	,280747	,358965	,257005	,317415	,408776
15 CHEMICALS AND PRODUCTS	,403828	,917186	,753500	,134602	,165670	,126753	,158455	,114490	,162326	,185757
16 OTHER CHEMICAL PRODUCTS	,159034	,204087	,227928	,135500	,163377	,129405	,162183	,117174	,137345	,072114
17 PETROLEUM REFINING	,080744	,073663	,090304	,210392	,255011	,204640	,255493	,183341	,202914	,357416
18 RUBBER AND PLASTICS	1,281133	1,350577	3,039964	,245537	,287446	,228612	,279407	,208997	,221934	,407258
19 LEATHER AND PRODUCTS	,041566	,080238	,551556	,016103	,019581	,015231	,019221	,014064	,017322	,017206
20 GLASS AND PRODUCTS	,411303	,372004	,246130	,135341	,164166	,124428	,157265	,121196	,129502	,065361
21 STONE AND CLAY PRODUCTS	,334160	,232547	,277496	,131191	,162129	,127752	,158107	,116092	,169195	,187060
22 PRIMARY IRON AND STEEL	4,340402	1,514418	1,652153	,799979	,961499	,759918	,962501	,713037	,768025	,446870
23 PRIMARY NONFERROUS METALS	1,410766	1,483206	1,457550	,399539	,477511	,381466	,478132	,360148	,382644	,129052
24 MTNG,PLMG,AND STRL, METAL	,202234	,129555	,109528	,107330	,206755	,159309	,200091	,145819	,202403	,163821
25 OTHER FABRICATED METALS	3,743999	1,878261	1,569353	,914446	1,090646	,844967	1,098881	,811175	,865700	,328306
26 ENGINES AND TURBINES	,313716	,034523	,021916	,104436	,124979	,103154	,126212	,098226	,098788	,097412
27 MACHINERY AND EQUIPMENT	2,937632	1,204072	,616060	,650166	,772672	,629607	,779765	,571990	,623347	,328703
28 OFFICE MACHINES	,352382	,134809	,140185	,025718	,031831	,024604	,030797	,022354	,030391	,037668
29 OTHER ELECTRICAL EQPT.	2,610803	3,672462	1,085254	,276536	,343710	,285118	,352349	,284143	,282413	,360014
30 SHIPBUILDING AND REPAIR	,087936	,024181	,015229	1,986715	2,360921	1,890898	2,387013	1,806232	1,816626	,010672
31 OTHER TRANSPORT EQPT.	34,040162	,503150	,312620	,191354	,233260	,181297	,229492	,161885	,181238	,497767
32 INSTRUMENTS	,570777	44,607985	,186269	,239784	,285842	,212012	,288057	,206749	,225539	,088953
33 MISCELLANEOUS MFG.	,177294	,324813	49,002244	,099546	,119349	,091235	,121108	,086779	,096209	,076548
34 DEEPSEA FOREIGN	,043442	,043807	,070958	16,845942	,030123	,012593	,015865	,011317	,023698	,014538
35 DEEPSEA DOMESTIC	,019056	,013818	,018476	,035594	30,708989	,038985	,040208	,036739	,032468	,053834
36 GREAT LAKES TRANS.	,014762	,007088	,007227	,004553	,003692	24,503431	,003616	,002643	,003354	,002891
37 RIVER AND CANAL TRANS.	,021193	,014444	,015465	,013535	,015132	,007657	41,465540	,006541	,017691	,017193
38 LOCAL WATER TRANS.	,010520	,008733	,013289	1,501608	4,988642	,008836	5,435647	59,899951	,010071	,013994
39 SERVICE TO WATER TRANS.	,024097	,020898	,031341	5,169325	13,619267	1,982822	2,340791	,351127	65,878960	,029501
40 OTHER TRANS. AND STORAGE	2,766942	1,834384	2,402232	3,427286	4,790155	4,317445	4,674473	2,111799	2,452604	67,018433
41 COMMUNICATIONS	,555709	,628846	,536699	,429865	,524633	,420628	,516398	,396929	,431654	,697821
42 UTILITIES	,435474	,361816	,398590	,217290	,284250	,201243	,254353	,179440	,402885	,340262
43 WHOLESALE/RETAIL	5,992006	6,159352	7,561825	2,777141	3,339176	2,543328	3,244318	2,200542	2,820690	5,147502
44 FINANCE INS. AND R.E.	,949738	1,054525	1,151306	1,110457	1,357127	1,082231	1,343928	,971806	1,208966	1,501126
45 SERVICES	5,343942	5,432123	5,410798	3,264720	3,990722	3,116495	3,921766	2,849574	3,485881	4,394316
46 GOVERNMENT ENTERPRISE	,481883	,430344	,517377	1,004492	1,974170	,670972	,860744	,418015	7,144908	1,036681
47 NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48 COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49 DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50 MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 COLUMN SUM	76,120881	80,401299	89,632150	45,756986	77,700593	48,346649	76,002364	78,172946	94,489729	89,201018
53 LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	16,832273	30,038673	24,482109	34,315366	59,891809	65,214887	59,760532
54 EMP.MULTIPLIER(INDIRECT)	2,987870	1,959570	1,957722	2,718408	2,586685	1,974775	2,214820	1,305236	1,448898	1,492641

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	,122062	,141120	,271061	,738115	,316926	,349454	*******	*******	4,098552	*******
2	OTHER AGRICULTURAL PROD,	,164889	,494630	,346438	1,077745	,488818	2,105943	*******	*******	4,077237	*******
3	FOREST AND FISH PRODUCTS	,037253	,065283	,119534	,180695	,084268	,169782	*******	*******	,650229	*******
4	IRON ORES MINING	,004081	,009396	,004880	,006496	,010632	,010598	*******	*******	,031182	*******
5	NONFERROUS ORES MINING	,010799	,018003	,010006	,015555	,019968	,022014	*******	*******	,065556	*******
6	CRUDE OIL AND NATURAL GAS	,072207	1,739579	,144187	,130405	,134339	,297684	*******	*******	,254583	*******
7	OTHER MINING	,060075	1,447882	,083535	,113601	,120120	,607613	*******	*******	,200925	*******
8	CONSTRUCTION	1,216377	2,555364	,526103	2,210645	,795969	4,480593	*******	*******	,914247	*******
9	ORDNANCE AND ACCESSORIES	,005660	,004576	,012518	,006890	,011498	,005494	*******	*******	,105405	*******
10	FOOD PRODUCTS AND TOBACCO	,112535	,112816	,264018	,156434	,271258	,272719	*******	*******	5,016961	*******
11	TEXTILE AND APPAREL	,120772	,200875	,298747	,184466	,457184	,322225	*******	*******	1,068525	*******
12	LUMBER AND WOOD PRODUCTS	,158914	,287822	,241828	,273811	,238837	,475305	*******	*******	,599829	*******
13	PAPER AND PRODUCTS	,214699	,200853	,593739	,269989	,850965	,275986	*******	*******	2,907048	*******
14	PRINTING AND PUBLISHING	,603525	,287659	,611842	,617387	4,176495	,532198	*******	*******	6,257278	*******
15	CHEMICALS AND PRODUCTS	,073320	,216037	,159704	,106303	,301273	,377879	*******	*******	,559739	*******
16	OTHER CHEMICAL PRODUCTS	,048393	,095530	,088408	,069608	,318483	,122003	*******	*******	,237083	*******
17	PETROLEUM REFINING	,043643	,123623	,091743	,075964	,080256	,141704	*******	*******	,184211	*******
18	RUBBER AND PLASTICS	,152045	,192406	,317543	,177947	,528503	,303012	*******	*******	,775224	*******
19	LEATHER AND PRODUCTS	,020469	,013401	,042103	,021659	,151465	,025127	*******	*******	,282410	*******
20	GLASS AND PRODUCTS	,027358	,028278	,066593	,034387	,096276	,052049	*******	*******	,220324	*******
21	STONE AND CLAY PRODUCTS	,126718	,297429	,121175	,223265	,195508	,434738	*******	*******	,185289	*******
22	PRIMARY IRON AND STEEL	,152699	,340182	,177757	,225789	,394570	,383935	*******	*******	1,185428	*******
23	PRIMARY NONFERROUS METALS	,095975	,128605	,079067	,108800	,164135	,174392	*******	*******	,583768	*******
24	MTNG,PLMG,AND STRL, METAL	,118793	,255415	,103525	,223658	,095603	,421533	*******	*******	,219619	*******
25	OTHER FABRICATED METALS	,108343	,243882	,246118	,203070	,797457	,323277	*******	*******	1,275828	*******
26	ENGINES AND TURBINES	,008881	,032333	,013228	,012101	,038134	,042583	*******	*******	,063188	*******
27	MACHINERY AND EQUIPMENT	,121137	,315425	,232402	,238681	,521619	,301779	*******	*******	,762143	*******
28	OFFICE MACHINES	,030340	,035035	,054197	,095909	,126507	,060246	*******	*******	,111923	*******
29	OTHER ELECTRICAL EQPT,	,794083	,362991	,286293	,289582	,638710	,316547	*******	*******	1,217653	*******
30	SHIPBUILDING AND REPAIR	,003251	,013489	,005369	,006850	,007022	,025082	*******	*******	,046771	*******
31	OTHER TRANSPORT EQPT,	,067688	,066573	,106272	,099074	,398522	,124125	*******	*******	,581992	*******
32	INSTRUMENTS	,076583	,054058	,128590	,083327	,421289	,086607	*******	*******	,889611	*******
33	MISCELLANEOUS MFG,	,086037	,052710	,152580	,082575	,474654	,080346	*******	*******	1,586532	*******
34	DEEPSEA FOREIGN	,005450	,032805	,008744	,008255	,011822	,092654	*******	*******	,090849	*******
35	DEEPSEA DOMESTIC	,007688	,029033	,015133	,018996	,015298	,027008	*******	*******	,037358	*******
36	GREAT LAKES TRANS,	,001251	,009006	,001527	,001956	,002797	,005340	*******	*******	,007022	*******
37	RIVER AND CANAL TRANS,	,003834	,050311	,006920	,005759	,009745	,030005	*******	*******	,027128	*******
38	LOCAL WATER TRANS,	,002416	,015499	,004798	,004884	,005349	,017076	*******	*******	,019958	*******
39	SERVICE TO WATER TRANS,	,005389	,026428	,009892	,011422	,011164	,042408	*******	*******	,046427	*******
40	OTHER TRANS, AND STORAGE	,795813	2,625788	1,337377	1,304422	1,582094	5,448240	*******	*******	21,394852	*******
41	COMMUNICATIONS	43,992089	,331563	,711686	,566704	1,861103	,419721	*******	*******	,723054	*******
42	UTILITIES	,260230	21,532242	,445666	,239256	,492465	1,711537	*******	*******	,401993	*******
43	WHOLESALE/RETAIL	2,011542	2,442629	102,186510	2,990636	4,878057	3,558623	*******	*******	10,340287	*******
44	FINANCE INS, AND R,E,	,925119	1,081546	1,882867	22,889815	1,886801	1,343126	*******	*******	1,431500	*******
45	SERVICES	7,102847	2,861913	6,286210	5,570442	74,578740	4,729259	*******	*******	12,396439	*******
46	GOVERNMENT ENTERPRISE	,439807	9,410611	1,088768	1,016782	,886864	50,202318	*******	*******	1,002773	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
51	INVENTORY VALUE ADJ,	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
52	COLUMN SUM	60,733078	50,841833	119,987200	43,050112	99,949560	81,351888	*******	*******	85,137935	*******
53	LABOR OUTPUT RATIO	43,071319	17,207470	98,876446	20,030434	67,256720	49,143167	*******	*******	*******	*******
54	EMP,MULTIPLIER(INDIRECT)	1,410058	2,954637	1,213506	2,149235	1,486090	1,655406	**********	**********	**********	**********

1967 MarAd I-O Tables
(B Series)

TABLE B1, TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCERS' PRICES)
TABLE B2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT
TABLE B3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF GROSS OUTPUT
TABLE B4, DIRECT, INDIRECT AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND
TABLE B5, DIRECT, INDIRECT, AND INDUCED EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND

TABLE B1, TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD,1967 (IN $ MILLION OF PRODUCERS' PRICES)

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	5610,3	1448,2	265,7	0,0	0,0	0,0	0,0	0,0	0,0	19777,1
2	OTHER AGRICULTURAL PROD.	8379,4	904,6	612,0	0,0	0,0	0,0	0,0	82,7	0,0	8304,9
3	FOREST AND FISH PRODUCTS	603,2	1334,8	78,9	0,0	0,0	0,0	0,0	180,0	0,0	422,6
4	IRON ORES MINING	0,0	0,0	0,0	91,9	4,4	0,0	1,5	0,0	0,0	0,0
5	NONFERROUS ORES MINING	0,0	0,0	0,0	33,2	217,7	0,0	7,4	0,0	0,0	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	373,8	1,1	0,0	0,0	0,0
7	OTHER MINING	5,7	132,1	0,0	9,1	7,6	0,3	542,1	930,3	2,5	53,4
8	CONSTRUCTION	233,1	369,9	0,0	30,1	15,6	476,2	49,7	29,6	24,4	264,4
9	ORDNANCE AND ACCESSORIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	768,0	0,0
10	FOOD PRODUCTS AND TOBACCO	3694,3	0,0	67,8	0,0	0,0	0,0	0,0	0,0	0,0	16493,0
11	TEXTILE AND APPAREL	10,3	81,2	109,5	2,0	0,1	4,8	31,2	279,2	25,6	145,1
12	LUMBER AND WOOD PRODUCTS	2,7	107,3	12,7	3,6	10,8	0,0	23,9	5528,0	77,9	123,8
13	PAPER AND PRODUCTS	16,9	4,5	122,9	0,3	0,5	1,1	25,0	292,3	74,5	2685,8
14	PRINTING AND PUBLISHING	6,1	10,2	0,5	0,3	0,2	0,6	0,3	2,0	1,5	538,5
15	CHEMICALS AND PRODUCTS	75,1	2296,7	23,2	27,5	50,4	163,8	125,3	154,2	239,6	417,4
16	OTHER CHEMICAL PRODUCTS	53,7	0,0	2,5	0,0	0,0	8,9	0,1	1323,3	1,7	289,8
17	PETROLEUM REFINING	167,0	905,4	40,7	4,3	5,4	33,0	111,7	2023,8	26,2	220,1
18	RUBBER AND PLASTICS	36,5	164,7	2,5	14,5	8,6	34,1	64,2	748,6	98,6	905,1
19	LEATHER AND PRODUCTS	9,1	0,0	0,8	0,0	0,0	0,0	0,0	0,0	0,5	1,6
20	GLASS AND PRODUCTS	5,6	0,0	0,0	0,0	0,0	0,0	0,0	254,8	1,5	1000,7
21	STONE AND CLAY PRODUCTS	2,2	24,6	0,6	0,9	2,8	83,0	130,7	6873,4	15,0	0,9
22	PRIMARY IRON AND STEEL	0,0	0,0	0,0	41,6	41,3	119,6	111,0	1761,2	523,4	13,1
23	RIMARY NONFERROUS METALS	1,3	1,2	0,0	3,8	1,0	0,0	14,1	2364,1	298,9	5,3
24	HTNG,PLMG,AND STRL, METAL	0,0	0,0	0,0	0,2	0,1	48,4	6,2	9090,5	5,4	0,0
25	OTHER FABRICATED METALS	73,2	54,1	62,3	4,3	9,2	62,5	69,1	1985,0	266,9	2419,2
26	ENGINES AND TURBINES	0,0	0,0	4,7	4,0	8,8	48,6	39,0	91,8	5,7	0,0
27	MACHINERY AND EQUIPMENT	12,6	304,4	0,4	28,3	76,8	227,8	183,4	955,1	251,1	230,3
28	OFFICE MACHINES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	795,1	15,0	0,0
29	OTHER ELECTRICAL EQPT.	13,7	39,8	1,8	2,0	1,5	171,1	16,8	2508,2	526,8	6,4
30	SHIPBUILDING AND REPAIR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
31	OTHER TRANSPORT EQPT.	7,0	13,9	16,9	5,7	2,2	0,0	0,7	5,2	1313,5	4,2
32	INSTRUMENTS	0,0	0,0	0,2	0,2	0,4	9,3	0,0	303,6	178,1	13,7
33	MISCELLANEOUS MFG.	2,1	2,1	4,3	0,3	0,6	0,3	0,9	201,8	4,6	8,9
34	DEEPSEA FOREIGN	8,4	21,5	27,5	86,3	52,4	95,9	12,1	0,0	3,9	104,2
35	DEEPSEA DOMESTIC	5,8	26,4	1,0	0,2	0,0	2,9	2,4	47,6	1,5	20,5
36	GREAT LAKES TRANS.	3,1	4,1	0,1	0,1	0,0	0,4	0,3	9,1	0,0	0,0
37	RIVER AND CANAL TRANS.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	12,0	0,8	43,2
38	LOCAL WATER TRANS.	0,0	0,3	0,2	0,0	0,0	0,0	0,0	0,2	0,0	4,5
39	SERVICE TO WATER TRANS.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40	OTHER TRANS. AND STORAGE	672,9	399,7	38,2	16,5	12,8	46,8	53,8	2544,7	82,9	2452,5
41	COMMUNICATIONS	75,3	70,5	0,0	2,1	2,7	12,4	10,4	338,7	103,4	301,9
42	UTILITIES	96,7	204,5	2,7	48,8	40,6	172,1	186,6	73,7	52,6	645,9
43	WHOLESALE/RETAIL	1332,5	1527,0	76,1	18,2	27,7	174,7	134,4	8225,3	267,4	3342,7
44	FINANCE INS. AND R.E.	732,2	2375,3	110,8	142,1	73,9	2522,0	355,6	1398,3	75,0	1146,0
45	SERVICES	389,3	1380,2	6,2	63,9	25,1	264,6	214,2	5433,0	310,1	3879,5
46	GOVERNMENT ENTERPRISE	4,1	4,1	0,7	1,3	1,4	6,3	5,0	65,7	13,8	93,4
47	NONCOMPETITIVE IMPORTS	0,0	0,0	36,4	0,0	0,0	0,0	0,0	101,4	0,0	1318,1
48	COMPETITIVE IMPORTS	182,0	353,3	510,0	539,8	317,9	1076,1	203,2	0,0	59,5	1355,5
49	DUMMY INDUSTRIES	28,9	40,6	28,8	10,4	13,3	178,9	48,3	738,8	159,5	464,2
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	HOUSEHOLD SECTOR	5015,4	8926,7	1725,7	379,6	505,3	5239,0	3071,1	41927,4	4526,4	18463,8
53	VALUE ADDED	3070,4	5026,3	615,3	126,3	106,0	3371,6	691,1	3647,9	332,8	9388,5
54	TOTAL	30657,7	28539,9	4615,4	1743,7	1640,0	15030,6	6544,9	103280,0	10734,0	97391,0
55	EMPLOYMENT	1757,0	2123,0	318,0	25,6	53,6	275,8	258,4	3985,0	317,2	1872,8

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	260,2	0,0	0,0	0,0	0,0	11,9	0,0	0,0	14,5	0,0
2	OTHER AGRICULTURAL PROD.	1177,6	123,3	0,0	0,0	56,2	58,1	0,0	0,0	0,0	0,0
3	FOREST AND FISH PRODUCTS	165,4	1001,5	0,0	0,0	12,5	2,7	0,0	0,3	0,0	0,0
4	IRON ORES MINING	0,0	0,0	0,0	0,0	47,1	0,0	0,0	0,0	0,0	0,0
5	NONFERROUS ORES MINING	0,0	0,0	0,0	0,0	70,7	0,0	0,0	0,0	0,0	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	49,2	0,0	11556,1	0,0	0,0	0,0
7	OTHER MINING	20,1	7,7	153,0	0,7	738,7	37,7	73,3	58,7	2,1	48,3
8	CONSTRUCTION	90,9	93,7	145,2	78,6	161,0	60,3	363,4	102,6	7,7	31,7
9	ORDNANCE AND ACCESSORIES	0,0	16,2	0,0	4,4	11,0	0,0	0,0	2,4	0,0	0,0
10	FOOD PRODUCTS AND TOBACCO	46,8	6,1	134,8	0,0	193,5	382,9	30,8	56,4	262,4	0,0
11	TEXTILE AND APPAREL	20071,0	511,0	241,3	110,3	30,5	15,0	2,7	868,8	338,9	4,6
12	LUMBER AND WOOD PRODUCTS	28,0	4875,0	1202,3	10,1	55,3	6,6	1,5	55,9	48,5	55,8
13	PAPER AND PRODUCTS	382,2	210,3	5574,0	3385,9	346,1	455,4	159,8	647,8	96,5	225,8
14	PRINTING AND PUBLISHING	20,1	5,3	172,9	2434,0	4,6	28,7	2,7	9,7	3,1	0,8
15	CHEMICALS AND PRODUCTS	508,1	176,8	762,7	405,6	4407,0	1981,2	623,3	3443,7	60,1	87,5
16	OTHER CHEMICAL PRODUCTS	45,4	174,0	34,2	15,7	381,3	759,0	98,4	136,7	46,2	23,0
17	PETROLEUM REFINING	50,6	117,6	131,3	40,2	1800,1	99,2	1831,0	140,1	6,6	6,8
18	RUBBER AND PLASTICS	2972,2	425,1	549,2	140,6	770,3	749,3	62,0	3270,0	374,5	91,8
19	LEATHER AND PRODUCTS	94,5	6,6	2,4	1,4	1,1	0,2	0,0	29,1	1012,7	0,0
20	GLASS AND PRODUCTS	70,6	75,2	1,6	0,0	10,7	193,1	0,0	42,6	0,0	246,8
21	STONE AND CLAY PRODUCTS	28,8	124,4	32,9	0,0	60,6	31,6	58,1	65,7	1,8	63,6
22	PRIMARY IRON AND STEEL	0,1	391,5	34,6	10,3	184,3	12,9	8,4	47,7	0,0	0,0
23	RIMARY NONFERROUS METALS	1,6	65,7	23,8	39,7	321,7	32,6	40,3	43,1	0,9	28,3
24	HTNG,PLMG,AND STRL, METAL	0,8	28,2	0,3	0,0	1,4	0,4	2,3	10,4	0,0	1,3
25	OTHER FABRICATED METALS	78,8	717,5	273,1	231,9	322,4	597,7	103,9	292,0	86,4	3,5
26	ENGINES AND TURBINES	0,0	0,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
27	MACHINERY AND EQUIPMENT	167,0	116,2	162,6	33,8	336,7	20,7	90,8	196,1	24,2	15,7
28	OFFICE MACHINES	2,7	19,5	3,8	0,6	3,8	1,5	0,0	2,3	0,0	0,4
29	OTHER ELECTRICAL EQPT.	18,6	35,5	14,6	11,5	25,6	7,5	12,0	24,1	3,3	8,3
30	SHIPBUILDING AND REPAIR	0,0	0,0	0,0	0,0	0,0	0,0	0,0	2,0	0,0	0,0
31	OTHER TRANSPORT EQPT.	4,3	28,4	0,0	1,2	17,9	2,9	2,8	66,1	0,5	14,2
32	INSTRUMENTS	45,5	40,5	33,6	185,0	14,6	55,3	17,8	19,7	14,3	7,2
33	MISCELLANEOUS MFG.	365,5	41,1	15,9	36,3	19,8	14,0	0,8	94,2	41,4	6,7
34	DEEPSEA FOREIGN	57,8	142,6	36,9	0,3	36,8	9,6	89,0	26,0	3,3	11,1
35	DEEPSEA DOMESTIC	4,0	10,3	8,9	1,2	27,5	4,7	291,3	10,3	1,5	0,4
36	GREAT LAKES TRANS.	0,0	0,5	8,0	0,9	4,1	0,7	1,7	1,4	0,3	0,7
37	RIVER AND CANAL TRANS.	4,0	11,0	13,9	0,6	23,5	4,3	50,1	8,3	0,1	0,8
38	LOCAL WATER TRANS.	2,1	3,2	2,5	0,0	0,2	0,0	1,5	0,0	0,0	0,0
39	SERVICE TO WATER TRANS.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40	OTHER TRANS. AND STORAGE	468,0	430,7	731,5	251,8	517,1	223,5	955,3	308,5	60,9	95,3
41	COMMUNICATIONS	145,5	72,5	75,6	250,3	76,0	69,1	24,6	92,6	20,3	13,1
42	UTILITIES	331,6	179,4	393,7	120,8	698,5	66,9	461,5	271,9	30,0	135,5
43	WHOLESALE/RETAIL	1423,9	776,2	686,4	549,8	543,4	470,0	302,5	699,8	233,0	117,9
44	FINANCE INS. AND R.E.	716,9	352,8	406,1	1099,4	643,1	527,5	879,5	427,0	107,7	92,2
45	SERVICES	741,6	477,6	566,8	1055,7	736,0	2275,8	801,8	741,4	142,5	121,6
46	GOVERNMENT ENTERPRISE	76,5	19,9	21,8	280,0	42,2	26,4	16,7	18,8	14,4	4,7
47	NONCOMPETITIVE IMPORTS	62,2	2,3	0,0	2,6	40,7	46,3	2,0	190,8	7,5	0,0
48	COMPETITIVE IMPORTS	824,7	791,0	1368,3	19,0	637,2	114,3	1018,1	320,4	82,2	94,8
49	DUMMY INDUSTRIES	264,4	103,3	332,7	315,6	178,3	263,2	49,8	220,7	31,4	36,3
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	HOUSEHOLD SECTOR	14084,0	7440,1	7180,9	9846,9	6795,1	4698,5	3250,0	7533,3	1971,3	1826,2
53	VALUE ADDED	1553,8	1144,0	1230,3	1144,4	1745,0	1076,1	3639,5	1573,7	181,8	282,6
54	TOTAL	47483,0	21392,0	22764,0	22118,0	23182,0	15496,6	26975,0	22233,0	5330,0	3801,0
55	EMPLOYMENT	2356,0	1052,2	679,1	1047,8	469,0	314,1	183,2	721,7	350,9	174,0

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
2	OTHER AGRICULTURAL PROD,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
3	FOREST AND FISH PRODUCTS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
4	IRON ORES MINING	9,7	1496,5	4,6	0,0	0,7	0,0	0,0	0,0	1,0	0,0
5	NONFERROUS ORES MINING	12,4	57,2	1052,3	0,0	0,0	0,0	0,0	0,0	6,8	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
7	OTHER MINING	891,3	736,6	18,5	1,8	14,7	1,9	9,3	1,7	9,4	0,4
8	CONSTRUCTION	98,8	291,4	69,5	40,2	76,6	11,9	124,4	28,5	142,2	10,0
9	ORDNANCE AND ACCESSORIES	0,0	2,1	0,1	12,4	18,7	23,8	33,0	2,3	187,3	12,1
10	FOOD PRODUCTS AND TOBACCO	6,1	0,7	8,0	0,0	1,6	0,0	6,1	1,3	0,0	0,0
11	TEXTILE AND APPAREL	80,0	21,6	21,7	12,3	49,8	2,1	47,3	11,2	67,2	3,6
12	LUMBER AND WOOD PRODUCTS	52,6	80,4	85,4	73,3	132,9	1,2	104,8	31,2	368,9	24,7
13	PAPER AND PRODUCTS	262,9	27,3	33,1	78,9	331,7	14,1	72,7	72,6	497,7	1,4
14	PRINTING AND PUBLISHING	3,4	3,9	13,1	1,5	151,3	0,3	12,0	94,5	44,3	0,2
15	CHEMICALS AND PRODUCTS	203,8	392,1	184,4	13,7	171,4	1,7	36,5	19,2	316,8	0,4
16	OTHER CHEMICAL PRODUCTS	12,8	14,2	12,9	110,3	194,8	4,3	52,4	29,6	110,6	4,9
17	PETROLEUM REFINING	104,1	116,2	48,3	33,7	64,3	15,4	177,7	18,0	99,8	6,4
18	RUBBER AND PLASTICS	179,2	33,7	213,5	26,2	291,2	7,6	439,6	119,0	992,9	4,2
19	LEATHER AND PRODUCTS	3,2	2,6	5,6	0,2	6,3	0,8	7,9	1,2	9,6	0,1
20	GLASS AND PRODUCTS	3,3	2,0	0,8	55,8	23,1	0,0	5,6	1,1	428,3	5,2
21	STONE AND CLAY PRODUCTS	1231,0	112,7	39,4	38,3	82,6	33,4	290,0	55,0	268,1	15,0
22	PRIMARY IRON AND STEEL	124,9	6017,0	339,6	3018,4	5645,3	384,2	4232,4	393,5	1440,2	191,3
23	RIMARY NONFERROUS METALS	25,7	859,0	6723,0	879,6	1528,9	195,1	1063,9	396,7	2040,4	93,3
24	HTNG,PLMG,AND STRL, METAL	10,7	67,7	6,5	298,0	112,9	12,7	348,4	148,7	76,1	144,9
25	OTHER FABRICATED METALS	129,2	667,0	246,1	625,1	1053,0	116,4	1354,7	439,8	1667,7	70,0
26	ENGINES AND TURBINES	9,2	6,0	5,7	28,9	22,9	283,3	575,3	5,0	120,4	129,8
27	MACHINERY AND EQUIPMENT	211,3	979,1	367,4	413,2	782,7	469,5	5386,0	352,0	794,4	218,4
28	OFFICE MACHINES	4,2	6,9	3,0	169,8	65,1	0,0	98,6	1211,0	357,2	2,5
29	OTHER ELECTRICAL EQPT,	40,4	323,9	264,1	174,1	123,7	161,1	1175,6	2134,6	8944,0	32,1
30	SHIPBUILDING AND REPAIR	0,0	0,2	0,0	47,4	5,1	13,2	21,1	0,0	0,0	17,7
31	OTHER TRANSPORT EQPT,	0,7	134,5	47,0	101,0	329,7	261,5	460,2	169,3	564,7	26,9
32	INSTRUMENTS	5,4	52,2	6,9	68,1	61,3	5,8	123,8	93,5	396,2	11,6
33	MISCELLANEOUS MFG,	41,0	10,9	16,7	3,1	46,5	0,0	24,2	25,6	80,8	0,2
34	DEEPSEA FOREIGN	12,9	99,6	115,3	3,5	22,5	2,1	29,1	4,2	32,0	0,0
35	DEEPSEA DOMESTIC	5,5	16,0	3,6	2,4	3,4	0,5	5,3	0,5	4,0	0,2
36	GREAT LAKES TRANS,	21,4	103,5	0,8	0,6	1,3	0,0	0,4	0,0	1,9	0,0
37	RIVER AND CANAL TRANS,	8,6	54,5	7,3	1,6	3,5	0,2	1,3	0,0	1,5	0,1
38	LOCAL WATER TRANS,	0,0	0,9	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
39	SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40	OTHER TRANS, AND STORAGE	601,6	1145,9	412,5	192,5	327,2	28,9	310,9	72,4	328,6	27,6
41	COMMUNICATIONS	57,3	95,2	44,0	75,2	98,6	16,1	218,0	65,3	323,7	14,3
42	UTILITIES	357,2	822,2	426,5	94,9	227,3	19,0	250,0	42,8	310,0	18,4
43	WHOLESALE/RETAIL	289,7	933,6	746,4	409,1	511,5	129,4	1280,5	451,8	1476,2	77,9
44	FINANCE INS, AND R,E,	297,7	261,6	268,4	256,5	397,2	35,3	893,5	371,3	952,1	26,6
45	SERVICES	332,4	897,7	303,8	311,8	560,2	72,8	944,0	299,8	1538,2	45,1
46	GOVERNMENT ENTERPRISE	17,5	25,4	11,8	11,3	19,0	3,5	41,9	11,7	61,2	2,6
47	NONCOMPETITIVE IMPORTS	0,8	0,0	63,0	0,0	0,0	5,2	24,3	0,0	86,2	0,0
48	COMPETITIVE IMPORTS	176,0	1420,0	1984,0	54,1	412,2	77,3	1105,0	181,7	1181,5	0,0
49	DUMMY INDUSTRIES	80,0	945,2	930,9	176,0	234,8	45,9	443,9	221,2	580,0	23,4
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	HOUSEHOLD SECTOR	4326,9	10953,8	4765,2	4108,2	9513,3	3386,7	15744,5	3905,7	19141,0	1211,8
53	VALUE ADDED	697,6	1434,2	949,0	492,6	1435,3	1469,0	1868,9	517,6	2029,3	82,1
54	TOTAL	11026,0	31723,0	20874,0	12510,0	25167,0	3825,2	39435,0	11901,0	48085,0	2557,4
55	EMPLOYMENT	466,0	916,7	405,4	483,2	879,9	104,4	1497,1	368,1	1958,9	140,0

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	0,0	0,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0	4,1
2	OTHER AGRICULTURAL PROD,	0,0	8,5	10,1	0,0	0,0	0,0	0,0	0,0	0,0	41,0
3	FOREST AND FISH PRODUCTS	0,0	0,0	2,4	0,0	0,0	0,0	0,0	0,0	0,0	2,6
4	IRON ORES MINING	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
5	NONFERROUS ORES MINING	0,0	2,6	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	25,5
7	OTHER MINING	19,4	3,2	6,0	1,2	0,4	0,1	0,2	0,1	0,7	5,8
8	CONSTRUCTION	181,3	38,3	23,3	26,9	9,4	2,3	5,1	2,2	14,6	1246,2
9	ORDNANCE AND ACCESSORIES	442,3	21,3	5,3	0,0	0,0	0,0	0,0	0,0	0,0	0,0
10	FOOD PRODUCTS AND TOBACCO	0,0	12,5	19,0	1,6	0,6	0,1	0,3	0,1	0,9	162,6
11	TEXTILE AND APPAREL	849,6	111,0	247,1	22,4	7,7	1,9	4,1	1,8	12,0	96,0
12	LUMBER AND WOOD PRODUCTS	469,2	29,3	170,0	0,0	0,0	0,0	0,0	0,0	0,0	2,4
13	PAPER AND PRODUCTS	143,1	223,6	418,7	4,6	1,6	0,4	0,9	0,4	2,3	86,8
14	PRINTING AND PUBLISHING	7,6	4,6	34,7	0,8	0,2	0,0	0,1	0,0	0,3	48,2
15	CHEMICALS AND PRODUCTS	76,1	228,3	53,4	0,0	0,0	0,0	0,0	0,0	0,0	45,7
16	OTHER CHEMICAL PRODUCTS	192,7	59,2	58,6	12,9	4,5	1,1	2,4	1,0	7,0	39,6
17	PETROLEUM REFINING	170,1	15,1	28,3	68,5	23,8	5,8	12,8	5,5	37,2	1845,7
18	RUBBER AND PLASTICS	1193,1	243,3	582,2	4,9	1,7	0,4	0,8	0,4	1,5	277,5
19	LEATHER AND PRODUCTS	2,2	5,5	54,7	0,0	0,0	0,0	0,0	0,0	0,0	0,0
20	GLASS AND PRODUCTS	370,6	60,2	32,6	6,2	2,2	0,5	1,1	0,5	3,4	27,5
21	STONE AND CLAY PRODUCTS	159,0	17,5	24,9	1,0	0,3	0,1	0,2	0,1	0,5	8,7
22	PRIMARY IRON AND STEEL	4253,9	186,4	246,1	23,6	8,3	2,0	4,4	1,9	12,8	207,7
23	RIMARY NONFERROUS METALS	1602,0	398,9	371,3	22,2	7,7	1,9	4,1	1,8	12,0	16,7
24	HTNG,PLMG,AND STRL, METAL	173,3	9,8	6,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
25	OTHER FABRICATED METALS	4625,6	385,4	269,4	54,2	18,8	4,4	10,1	4,3	29,3	103,2
26	ENGINES AND TURBINES	468,3	0,0	0,0	3,2	1,1	0,3	0,6	0,3	1,7	57,3
27	MACHINERY AND EQUIPMENT	2698,1	166,7	32,3	19,4	6,6	1,7	3,6	1,5	10,5	113,8
28	OFFICE MACHINES	458,4	23,2	26,3	0,0	0,0	0,0	0,0	0,0	0,0	3,9
29	OTHER ELECTRICAL EQPT,	2159,3	673,6	135,8	3,4	1,3	0,4	0,6	0,7	1,8	120,6
30	SHIPBUILDING AND REPAIR	66,9	2,1	0,0	103,7	36,1	8,8	19,3	8,4	56,3	0,0
31	OTHER TRANSPORT EQPT,	17429,2	101,8	47,6	7,8	2,7	0,6	1,4	0,6	4,3	538,1
32	INSTRUMENTS	516,5	851,0	15,8	11,8	4,1	0,9	2,2	0,9	6,3	23,4
33	MISCELLANEOUS MFG,	48,2	41,9	589,0	2,6	0,9	0,2	0,5	0,2	1,3	10,5
34	DEEPSEA FOREIGN	19,4	9,8	20,3	0,0	0,8	0,0	0,0	0,0	0,0	0,0
35	DEEPSEA DOMESTIC	8,4	0,5	1,0	1,9	23,4	0,2	0,3	0,2	0,9	42,6
36	GREAT LAKES TRANS,	2,2	0,5	0,2	0,2	0,0	0,2	0,0	0,0	0,0	0,9
37	RIVER AND CANAL TRANS,	2,9	0,4	0,0	0,4	0,1	0,0	102,9	0,0	0,3	8,1
38	LOCAL WATER TRANS,	0,0	0,0	0,1	79,5	90,5	0,0	44,8	0,0	0,0	0,9
39	SERVICE TO WATER TRANS,	0,0	0,0	0,0	249,0	224,3	7,9	17,1	1,3	16,9	0,0
40	OTHER TRANS, AND STORAGE	902,1	61,1	113,6	122,9	56,8	14,4	27,1	5,8	28,6	4401,7
41	COMMUNICATIONS	277,8	76,7	45,5	16,2	5,7	1,4	3,0	1,2	8,8	468,6
42	UTILITIES	330,7	52,2	48,0	9,3	3,1	0,8	1,8	0,8	4,9	321,6
43	WHOLESALE/RETAIL	1598,5	370,0	420,9	39,2	13,2	2,9	6,8	2,6	20,2	1542,5
44	FINANCE INS, AND R,E,	801,7	225,9	209,0	94,3	35,9	8,9	19,4	8,4	56,1	1917,8
45	SERVICES	2092,2	446,3	362,0	76,3	26,6	6,4	14,2	6,2	41,4	1609,9
46	GOVERNMENT ENTERPRISE	78,6	15,2	20,1	12,6	4,4	1,0	2,7	0,9	237,8	1291,9
47	NONCOMPETITIVE IMPORTS	79,9	1,2	181,1	232,6	80,9	19,8	43,3	18,8	126,2	374,6
48	COMPETITIVE IMPORTS	925,3	324,0	545,8	1188,1	0,0	19,4	0,0	0,0	0,0	155,7
49	DUMMY INDUSTRIES	681,4	153,6	98,0	14,2	5,0	1,2	2,7	1,2	7,8	299,7
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	HOUSEHOLD SECTOR	20773,3	4536,7	3335,0	515,1	320,4	109,1	213,8	161,2	823,9	23930,6
53	VALUE ADDED	3691,0	770,5	435,5	135,0	84,0	38,7	24,4	18,4	149,3	4472,3
54	TOTAL	70986,6	10970,0	9357,0	3190,3	1111,9	265,5	597,4	258,8	1735,8	46010,3
55	EMPLOYMENT	1808,5	450,1	428,4	53,7	33,4	6,5	20,5	15,5	113,2	2749,6

TABLE B_1, TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD,1967 (IN $ MILLION OF PRODUCERS' PRICES)

	41	42	43	44	45	46	47	48	49	50
1 LIVESTOCK AND PRODUCTS	0,0	0,0	0,0	1127,4	69,1	0,0	0,0	0,0	30,9	0,0
2 OTHER AGRICULTURAL PROD,	0,0	0,0	10,0	1196,6	236,3	391,0	0,0	0,0	115,2	0,0
3 FOREST AND FISH PRODUCTS	0,0	0,0	138,5	160,2	24,9	1,2	0,0	0,0	50,1	0,0
4 IRON ORES MINING	0,0	0,3	0,2	3,6	0,0	0,0	0,0	0,0	0,0	0,0
5 NONFERROUS ORES MINING	0,0	0,7	0,8	10,1	0,0	0,0	0,0	0,0	0,0	0,0
6 CRUDE OIL AND NATURAL GAS	0,0	2521,4	0,0	164,7	0,0	0,0	0,0	0,0	0,0	0,0
7 OTHER MINING	0,7	895,6	7,8	71,8	16,5	145,0	0,0	0,0	0,0	0,0
8 CONSTRUCTION	573,2	1137,0	526,1	7293,9	1323,8	1771,2	0,0	0,0	0,0	0,0
9 ORDNANCE AND ACCESSORIES	0,0	0,2	37,9	10,8	0,8	0,0	0,0	0,0	44,0	0,0
10 FOOD PRODUCTS AND TOBACCO	0,0	1,8	900,8	145,7	504,4	120,9	0,0	0,0	3157,0	0,0
11 TEXTILE AND APPAREL	5,2	16,7	286,7	98,5	322,1	25,4	0,0	0,0	80,1	0,0
12 LUMBER AND WOOD PRODUCTS	0,0	1,0	249,2	39,7	10,5	0,0	0,0	0,0	3,7	0,0
13 PAPER AND PRODUCTS	22,1	36,7	1577,4	295,5	375,6	20,5	0,0	0,0	589,3	0,0
14 PRINTING AND PUBLISHING	41,5	7,3	378,6	571,1	10068,4	55,0	0,0	0,0	1573,4	0,0
15 CHEMICALS AND PRODUCTS	0,5	56,8	215,2	302,4	308,9	127,0	0,0	0,0	15,5	0,0
16 OTHER CHEMICAL PRODUCTS	1,1	0,3	325,2	115,2	1790,3	37,6	0,0	0,0	78,3	0,0
17 PETROLEUM REFINING	65,5	274,9	1375,2	811,3	767,1	140,7	0,0	0,0	11,6	0,0
18 RUBBER AND PLASTICS	24,2	24,8	738,8	177,6	993,6	41,3	0,0	0,0	26,2	0,0
19 LEATHER AND PRODUCTS	0,0	0,1	40,8	6,8	220,6	1,7	0,0	0,0	43,4	0,0
20 GLASS AND PRODUCTS	0,0	0,0	129,7	18,2	145,3	2,2	0,0	0,0	4,1	0,0
21 STONE AND CLAY PRODUCTS	0,1	0,7	158,4	36,9	249,1	5,0	0,0	0,0	2,6	0,0
22 PRIMARY IRON AND STEEL	0,0	40,5	37,0	61,7	10,7	8,4	0,0	0,0	211,1	0,0
23 RIMARY NONFERROUS METALS	10,0	10,9	42,0	36,5	5,7	0,8	0,0	0,0	155,7	0,0
24 HTNG,PLMG,AND STRL, METAL	0,0	0,1	180,0	45,4	0,0	0,3	0,0	0,0	39,6	0,0
25 OTHER FABRICATED METALS	0,5	26,7	323,5	42,8	1944,6	15,6	0,0	0,0	197,3	0,0
26 ENGINES AND TURBINES	0,0	1,7	17,0	3,8	103,1	12,9	0,0	0,0	12,1	0,0
27 MACHINERY AND EQUIPMENT	0,2	37,4	367,1	295,5	964,1	16,5	0,0	0,0	84,6	0,0
28 OFFICE MACHINES	0,0	0,0	136,5	264,7	388,5	3,4	0,0	0,0	24,4	0,0
29 OTHER ELECTRICAL EQPT,	288,4	73,8	425,0	247,0	1048,7	4,3	0,0	0,0	235,4	0,0
30 SHIPBUILDING AND REPAIR	0,0	0,0	1,6	3,8	0,0	1,9	0,0	0,0	7,4	0,0
31 OTHER TRANSPORT EQPT,	3,3	2,7	194,4	173,0	1336,8	16,5	0,0	0,0	132,4	0,0
32 INSTRUMENTS	3,5	0,1	230,0	63,8	1011,6	5,2	0,0	0,0	248,1	0,0
33 MISCELLANEOUS MFG,	3,5	0,1	246,0	37,0	1107,4	2,5	0,0	0,0	462,1	0,0
34 DEEPSEA FOREIGN	0,0	0,0	0,0	0,0	0,4	82,6	0,0	0,0	32,0	0,0
35 DEEPSEA DOMESTIC	1,7	15,0	22,1	50,8	24,8	5,6	0,0	0,0	3,2	0,0
36 GREAT LAKES TRANS,	0,1	7,9	1,1	1,1	2,4	1,3	0,0	0,0	0,4	0,0
37 RIVER AND CANAL TRANS,	0,3	29,7	6,0	1,9	9,2	7,8	0,0	0,0	1,4	0,0
38 LOCAL WATER TRANS,	0,0	0,5	0,8	0,1	0,2	0,0	0,0	0,0	0,0	0,0
39 SERVICE TO WATER TRANS,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
40 OTHER TRANS, AND STORAGE	40,8	509,4	1205,8	1157,4	859,0	1154,8	0,0	0,0	4649,2	0,0
41 COMMUNICATIONS	357,7	99,5	1769,3	1203,1	5250,6	63,1	0,0	0,0	0,0	0,0
42 UTILITIES	179,2	6903,5	2414,9	827,9	2234,8	1267,8	0,0	0,0	0,0	0,0
43 WHOLESALE/RETAIL	196,8	202,1	3381,9	2210,2	4370,5	187,8	0,0	0,0	749,3	0,0
44 FINANCE INS, AND R,E,	628,9	373,5	11082,0	17890,0	8864,1	606,5	0,0	0,0	5,0	0,0
45 SERVICES	1914,3	400,5	11100,6	8766,1	10415,0	645,9	0,0	0,0	1682,6	0,0
46 GOVERNMENT ENTERPRISE	91,3	5609,6	2380,1	2312,2	1256,9	23,3	0,0	0,0	0,0	0,0
47 NONCOMPETITIVE IMPORTS	133,0	0,0	45,6	81,3	76,0	341,5	0,0	0,0	0,0	0,0
48 COMPETITIVE IMPORTS	0,0	145,1	0,0	20,0	0,0	0,0	0,0	0,0	1045,5	1763,0
49 DUMMY INDUSTRIES	315,0	159,0	2394,6	1575,3	2960,0	97,6	0,0	0,0	0,0	0,0
50 MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51 INVENTORY VALUE ADJ,	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52 HOUSEHOLD SECTOR	12264,0	10667,6	85738,5	64621,5	74065,0	9060,0	0,0	0,0	0,0	84485,1
53 VALUE ADDED	5344,9	6143,4	32526,5	46350,6	14440,6	797,6	0,0	0,0	0,0	1685,9
54 TOTAL	22511,5	37321,0	163365,5	161005,0	150156,0	17337,1	0,1	0,1	15803,8	92635,0
55 EMPLOYMENT	969,6	642,2	16153,0	3225,0	10099,0	852,0	0,0	0,0	0,0	0,0

		51	52	53	54	55	56	57	59	59	60
1	LIVESTOCK AND PRODUCTS	0,0	1811,2	0,0	129,0	55,0	4,6	3,7	14,5	2018,0	30637,7
2	OTHER AGRICULTURAL PROD.	0,0	3756,2	0,0	1030,7	3183,8	7,2	-1201,8	73,8	6848,9	28539,9
3	FOREST AND FISH PRODUCTS	0,0	584,3	0,0	2,3	61,8	14,5	-258,5	29,2	433,6	4615,4
4	IRON ORES MINING	0,0	0,0	0,0	25,3	122,4	-65,1	-0,4	0,0	82,2	1743,7
5	NONFERROUS ORES MINING	0,0	0,0	0,0	12,3	35,2	58,3	67,4	0,0	173,2	1640,0
6	CRUDE OIL AND NATURAL GAS	0,0	0,0	0,0	256,7	82,1	0,0	0,0	0,0	338,8	15030,6
7	OTHER MINING	0,0	127,6	0,0	144,8	538,3	34,8	5,6	6,7	857,8	6944,9
8	CONSTRUCTION	0,0	0,0	54337,9	0,0	15,1	1947,5	2980,8	26302,3	85583,6	103280,0
9	ORDNANCE AND ACCESSORIES	0,0	322,1	25,1	147,0	308,7	6431,8	1833,9	6,9	9075,9	10734,0
10	FOOD PRODUCTS AND TOBACCO	0,0	66244,0	0,0	1087,6	2507,1	206,5	448,4	476,2	70970,8	97391,0
11	TEXTILE AND APPAREL	0,0	20227,0	88,9	551,2	582,6	506,7	50,9	87,2	22094,5	47483,0
12	LUMBER AND WOOD PRODUCTS	0,0	4293,3	1803,3	213,5	412,9	108,5	91,2	328,3	7251,2	21392,0
13	PAPER AND PRODUCTS	0,0	1574,7	0,0	266,9	672,4	90,6	59,9	199,8	2864,1	22764,0
14	PRINTING AND PUBLISHING	0,0	4119,3	0,0	296,8	251,8	179,5	48,7	863,7	5759,8	22118,0
15	CHEMICALS AND PRODUCTS	0,0	504,2	0,0	305,4	1710,3	1285,8	465,7	113,3	4384,7	23182,0
16	OTHER CHEMICAL PRODUCTS	0,0	7345,2	0,0	275,7	482,6	123,7	71,9	529,9	8829,0	15496,0
17	PETROLEUM REFINING	0,0	10194,3	0,0	541,3	764,7	938,9	139,3	291,8	12870,3	26975,0
18	RUBBER AND PLASTICS	0,0	2287,0	30,0	168,3	992,6	419,8	37,5	172,7	4107,9	22233,0
19	LEATHER AND PRODUCTS	0,0	3659,1	0,0	14,7	62,8	18,3	3,7	2,7	3761,3	5338,0
20	GLASS AND PRODUCTS	0,0	317,3	0,0	38,9	145,3	10,0	8,4	53,0	572,9	3801,0
21	STONE AND CLAY PRODUCTS	0,0	244,4	0,0	127,4	177,0	22,7	3,7	12,9	588,1	11026,0
22	PRIMARY IRON AND STEEL	0,0	3,5	0,0	514,2	518,0	286,4	3,8	2,0	1328,4	31723,0
23	RIMARY NONFERROUS METALS	0,0	14,6	34,3	335,7	725,8	41,8	-33,9	0,2	1118,5	20870,0
24	HTNG,PLMG,AND STRL, METAL	0,0	65,7	932,7	128,0	284,4	178,7	43,0	0,0	1632,5	12510,0
25	OTHER FABRICATED METALS	0,0	1148,2	347,4	345,2	724,6	346,9	68,2	45,5	3025,8	25167,0
26	ENGINES AND TURBINES	0,0	144,4	735,3	54,6	393,5	365,9	48,9	9,2	1751,8	3825,2
27	MACHINERY AND EQUIPMENT	0,0	152,2	15037,2	918,2	3787,0	889,7	152,2	200,1	21196,6	39439,0
28	OFFICE MACHINES	0,0	515,9	5081,1	281,5	1069,0	338,7	297,4	285,6	7869,2	11961,0
29	OTHER ELECTRICAL EQPT.	0,0	8565,9	6245,0	1066,7	1989,1	6716,9	922,4	325,0	25831,8	48085,0
30	SHIPBUILDING AND REPAIR	0,0	0,0	456,9	171,1	36,7	1281,6	178,4	0,0	2124,7	2557,4
31	OTHER TRANSPORT EQPT.	0,0	16949,2	14394,4	1633,7	3954,6	8732,1	1005,9	750,5	47420,4	70986,6
32	INSTRUMENTS	0,0	1630,4	2051,7	187,2	890,0	941,5	207,0	300,7	6208,5	10970,0
33	MISCELLANEOUS MFG.	0,0	4417,1	532,6	147,3	332,0	58,6	39,6	164,3	5691,5	9357,0
34	DEEPSEA FOREIGN	0,0	305,6	13,5	0,0	800,8	659,2	-0,1	0,0	1779,0	3198,3
35	DEEPSEA DOMESTIC	0,0	299,6	6,7	11,4	30,9	27,0	23,7	3,3	402,6	1111,9
36	GREAT LAKES TRANS.	0,0	23,1	2,1	1,1	24,1	1,3	1,1	0,2	53,1	265,5
37	RIVER AND CANAL TRANS.	0,0	67,8	0,2	7,1	44,5	9,0	7,0	2,0	137,6	597,4
38	LOCAL WATER TRANS.	0,0	16,6	0,0	0,3	1,7	0,7	0,0	0,1	20,0	258,8
39	SERVICE TO WATER TRANS.	0,0	41,0	0,0	0,0	1029,0	149,3	0,0	0,0	121,3	1735,8
40	OTHER TRANS. AND STORAGE	0,0	10642,6	806,1	208,3	1959,8	2149,2	296,2	979,6	17041,4	46010,3
41	COMMUNICATIONS	0,0	7836,8	1095,7	0,0	139,6	405,1	138,4	482,4	10098,0	22511,5
42	UTILITIES	0,0	13934,9	0,0	0,0	74,3	294,8	49,2	1598,5	15951,7	37321,0
43	WHOLESALE/RETAIL	0,0	109366,9	6543,7	507,9	2614,8	1141,7	255,4	384,2	120814,6	163365,5
44	FINANCE INS. AND R.E.	0,0	96135,7	2104,0	-0,7	667,5	146,4	199,6	1021,2	100273,7	161005,0
45	SERVICES	0,0	74813,6	0,0	-56,8	791,8	3712,5	2072,9	4280,8	85614,8	150156,0
46	GOVERNMENT ENTERPRISE	0,0	2147,9	0,0	0,0	106,4	238,9	336,2	252,3	3073,7	17337,1
47	NONCOMPETITIVE IMPORTS	0,0	9869,6	657,9	-99,7	-18221,1	2876,9	1087,2	3,4	-3825,8	0,0
48	COMPETITIVE IMPORTS	0,0	0,0	0,0	0,0	-22570,3	0,0	0,0	0,0	-22570,3	0,0
49	DUMMY INDUSTRIES	0,0	1286,5	-2920,8	-121,1	580,1	-120,0	-7,9	1190,3	-151,9	15803,8
50	MISCELLANEOUS INDUSTRIES	0,0	2653,6	0,0	0,0	9188,3	27125,6	7218,8	46448,5	92634,8	92634,8
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	-1843,0	0,0	0,0	0,0	0,0	-1843,0	-1843,0
52	HOUSEHOLD SECTOR	0,0	4701,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	629300,0
53	VALUE ADDED	-1843,0	138640,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	304739,0
54	TOTAL	-1843,0	629300,0	110443,0	10034,0	5132,0	71333,0	19471,0	88315,0	795388,0	2310256,7
55	EMPLOYMENT	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	63154,3

TABLE B2. DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	,183118	,050743	,057568	-------	-------	-------	-------	-------	-------	,203069
2	OTHER AGRICULTURAL PROD.	,273500	,031696	,132600	-------	-------	-------	-------	,000801	-------	,085274
3	FOREST AND FISH PRODUCTS	,019688	,046770	,017095	-------	-------	-------	-------	,001743	-------	,004339
4	IRON ORES MINING	-------	-------	-------	,052704	,002683	-------	,000229	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	,019040	,132744	-------	,001131	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	,024869	,000168	-------	-------	-------
7	OTHER MINING	,000186	,004629	-------	,005219	,004634	,000020	,082828	,009008	,000233	,000548
8	CONSTRUCTION	,007608	,012961	-------	,017262	,009512	,031682	,007994	,000287	,002273	,002715
9	ORDNANCE AND ACCESSORIES	-------	-------	-------	-------	-------	-------	-------	-------	,071548	-------
10	FOOD PRODUCTS AND TOBACCO	,120580	-------	,014690	-------	-------	-------	-------	-------	-------	,169348
11	TEXTILE AND APPAREL	,000336	,002845	,023725	,001147	,000061	,000319	,004767	,002703	,002385	,001490
12	LUMBER AND WOOD PRODUCTS	,000088	,003760	,002752	,002065	,006585	-------	,003652	,003524	,007257	,001271
13	PAPER AND PRODUCTS	,000552	,000158	,026628	,000172	,000305	,000073	,003911	,002830	,006941	,027577
14	PRINTING AND PUBLISHING	,000199	,000357	,000108	,000172	,000122	,000040	,000046	,000019	,000140	,005529
15	CHEMICALS AND PRODUCTS	,002451	,080473	,005027	,015771	,030732	,010898	,019145	,001493	,022322	,004286
16	OTHER CHEMICAL PRODUCTS	,001753	-------	,000542	-------	-------	,000592	,000015	,012813	,000158	,002976
17	PETROLEUM REFINING	,005451	,031724	,008818	,002466	,003293	,002196	,017067	,019595	,002441	,002260
18	RUBBER AND PLASTICS	,001191	,005771	,000542	,008316	,005244	,002269	,009809	,007248	,009186	,009293
19	LEATHER AND PRODUCTS	,000297	-------	,000173	-------	-------	-------	-------	-------	,000047	,000016
20	GLASS AND PRODUCTS	,000183	-------	-------	-------	-------	-------	-------	,002467	,000140	,010275
21	STONE AND CLAY PRODUCTS	,000072	,000862	,000130	,000516	,001707	,005522	,019970	,066551	,001397	,000009
22	PRIMARY IRON AND STEEL	-------	-------	-------	,023857	,025183	,007957	,016960	,017053	,048761	,000135
23	PRIMARY NONFERROUS METALS	,000042	,000042	-------	,002179	,000610	-------	,002154	,022890	,027846	,000054
24	MTNG,PLMG,AND STRL. METAL	-------	-------	-------	,000115	,000061	,003220	,000947	,008018	,000503	-------
25	OTHER FABRICATED METALS	,002389	,001896	,013498	,002466	,005610	,004158	,010558	,019220	,024865	,024840
26	ENGINES AND TURBINES	-------	-------	,001018	,002294	,005366	,003233	,005959	,000889	,000531	-------
27	MACHINERY AND EQUIPMENT	,000411	,010666	,000087	,016230	,046829	,015156	,028022	,009248	,023393	,002570
28	OFFICE MACHINES	-------	-------	-------	-------	-------	-------	-------	,007698	,001397	-------
29	OTHER ELECTRICAL EQPT.	,000447	,001395	,000390	,001147	,000915	,011383	,002567	,024285	,049078	,000066
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	OTHER TRANSPORT EQPT.	,000228	,000487	,003662	,003269	,001341	-------	,000107	,000050	,122368	,000043
32	INSTRUMENTS	-------	-------	,000043	,000115	,000244	,000619	-------	,002940	,016592	,000141
33	MISCELLANEOUS MFG.	,000069	,000074	,000932	,000172	,000366	,000020	,000138	,001954	,000429	,000091
34	DEEPSEA FOREIGN	,000274	,000753	,005958	,049492	,031951	,006380	,001849	-------	,000326	,001070
35	DEEPSEA DOMESTIC	,000189	,000925	,000217	,000115	-------	,000193	,000367	,000461	,000140	,000210
36	GREAT LAKES TRANS.	,000101	,000144	,000022	,000057	-------	,000027	,000046	,000088	-------	-------
37	RIVER AND CANAL TRANS.	-------	-------	-------	-------	-------	-------	-------	,000116	,000075	,000444
38	LOCAL WATER TRANS.	-------	,000011	,000043	-------	-------	-------	-------	,000002	-------	,000046
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,021963	,014005	,008277	,009463	,007805	,003114	,008220	,024639	,007723	,025182
41	COMMUNICATIONS	,002458	,002470	-------	,001204	,001646	,000825	,001589	,003279	,009633	,003100
42	UTILITIES	,003156	,007165	,000585	,027986	,024756	,011450	,028511	,000714	,004900	,006632
43	WHOLESALE/RETAIL	,043492	,053504	,016488	,010438	,016890	,011623	,020535	,079641	,024911	,034322
44	FINANCE INS. AND R.E.	,023899	,083227	,024007	,081493	,045061	,167791	,054332	,013152	,006987	,011767
45	SERVICES	,012707	,048360	,001343	,036646	,015305	,017604	,032728	,052605	,028890	,039834
46	GOVERNMENT ENTERPRISE	,000134	,000144	,000152	,000746	,000854	,000419	,000764	,000636	,001286	,000959
47	NONCOMPETITIVE IMPORTS	-------	-------	,007887	-------	-------	-------	-------	,000982	-------	,013534
48	COMPETITIVE IMPORTS	,005940	,011678	,110500	,309572	,193841	,071594	,031047	-------	,005943	,013918
49	DUMMY INDUSTRIES	,000943	,001423	,006240	,005964	,008110	,011902	,007380	,007153	,014859	,004766
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	,163700	,312780	,373900	,217698	,308110	,348556	,469236	,405959	,421688	,189584
53	VALUE ADDED	,100216	,176115	,133515	,072432	,064634	,224316	,105594	,035320	,031004	,096408
54	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,005480	-------	-------	-------	-------	,000768	-------	-------	,002720	-------
2	OTHER AGRICULTURAL PROD.	,024800	,005764	-------	-------	,001562	,003749	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	,003483	,046817	-------	-------	,000539	,000174	-------	,000813	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	,002032	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	,003050	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	,002122	-------	,428400	-------	-------	-------
7	OTHER MINING	,000423	,000360	,006721	,000032	,031865	,002433	,002717	,002640	,000394	,012707
8	CONSTRUCTION	,001914	,004380	,006378	,003554	,006945	,003891	,013472	,004615	,001445	,008340
9	ORDNANCE AND ACCESSORIES	-------	,000757	-------	,000199	,000475	-------	-------	,000108	-------	-------
10	FOOD PRODUCTS AND TOBACCO	,000986	,000285	,005922	-------	,008347	,024710	,001142	,002537	,049231	-------
11	TEXTILE AND APPAREL	,422699	,023887	,010600	,004987	,001316	,000968	,000100	,039077	,063583	,001210
12	LUMBER AND WOOD PRODUCTS	,000590	,227889	,052816	,000457	,002385	,000426	,000056	,002514	,009099	,014680
13	PAPER AND PRODUCTS	,000049	,009831	,244860	,153083	,014930	,029388	,005924	,029137	,018105	,059405
14	PRINTING AND PUBLISHING	,000423	,000248	,007595	,110046	,000198	,001852	,000100	,000436	,000582	,000210
15	CHEMICALS AND PRODUCTS	,010701	,008265	,033505	,018338	,190104	,127852	,023107	,154891	,011276	,023020
16	OTHER CHEMICAL PRODUCTS	,000956	,008134	,001502	,000710	,016448	,048980	,003648	,006149	,008668	,006051
17	PETROLEUM REFINING	,001066	,005497	,005768	,001818	,077651	,006402	,067878	,006301	,001238	,001789
18	RUBBER AND PLASTICS	,062595	,019872	,024126	,006557	,033228	,048354	,002298	,147079	,070263	,024152
19	LEATHER AND PRODUCTS	,001990	,000309	,000105	,000063	,000047	,000013	,000022	,001309	,190000	-------
20	GLASS AND PRODUCTS	,001487	,003515	,000070	-------	,000462	,012461	-------	,001916	-------	,064930
21	STONE AND CLAY PRODUCTS	,000607	,005815	,001445	-------	,002614	,002039	,002154	,002955	,000338	,016732
22	PRIMARY IRON AND STEEL	,000002	,018301	,001520	,000466	,007950	,000832	,000311	,002145	-------	-------
23	RIMARY NONFERROUS METALS	,000034	,003071	,001046	,001795	,013877	,002104	,001501	,001939	,000169	,007445
24	HTNG,PLMG,AND STRL, METAL	,000017	,001318	,000013	-------	,000060	,000026	,000085	,000468	-------	,000342
25	OTHER FABRICATED METALS	,001660	,003541	,011997	,010489	,013907	,038571	,003852	,013134	,016210	,000921
26	ENGINES AND TURBINES	-------	,000033	-------	-------	-------	-------	-------	-------	-------	-------
27	MACHINERY AND EQUIPMENT	,003517	,005432	,007143	,001528	,014524	,001336	,003366	,008820	,004540	,004130
28	OFFICE MACHINES	,000057	,000912	,000167	,000027	,000164	,000097	-------	,000103	-------	,000105
29	OTHER ELECTRICAL EQPT.	,000392	,001659	,000641	,000520	,001104	,000484	,000445	,001084	,000657	,002184
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	,000090	-------	-------
31	OTHER TRANSPORT EQPT.	,000091	,001328	-------	,000054	,000772	,000187	,000104	,002973	,000094	,003736
32	INSTRUMENTS	,000958	,001893	,001476	,008364	,000630	,003569	,000660	,000886	,002683	,001894
33	MISCELLANEOUS MFG.	,007697	,001921	,000698	,001641	,000854	,000903	,000030	,004237	,007767	,001763
34	DEEPSEA FOREIGN	,001217	,006666	,001621	,000014	,001587	,000620	,003299	,001169	,000619	,002920
35	DEEPSEA DOMESTIC	,000084	,000481	,000391	,000054	,001186	,000303	,010799	,000463	,000281	,000105
36	GREAT LAKES TRANS.	-------	,000023	,000351	,000041	,000177	,000045	,000063	,000063	,000056	,000184
37	RIVER AND CANAL TRANS.	,000084	,000514	,000611	,000027	,001014	,000277	,001857	,000373	,000819	,000210
38	LOCAL WATER TRANS.	,000044	,000150	,000110	-------	,000009	-------	,000056	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,009856	,020134	,032134	,011584	,022306	,014423	,035414	,016574	,011426	,025072
41	COMMUNICATIONS	,003064	,003389	,003321	,011317	,003278	,004459	,000912	,004165	,003809	,003446
42	UTILITIES	,006984	,008386	,017295	,005462	,030131	,004317	,017108	,012230	,005629	,035649
43	WHOLESALE/RETAIL	,029988	,036285	,030153	,024858	,023441	,030330	,011214	,031476	,043715	,031018
44	FINANCE INS. AND R.E.	,015098	,016492	,017840	,049706	,027741	,034041	,032604	,019206	,020206	,024257
45	SERVICES	,015618	,022326	,024899	,047730	,031749	,146864	,029724	,033347	,026735	,031992
46	GOVERNMENT ENTERPRISE	,001611	,000930	,000958	,012659	,001820	,001704	,000619	,000846	,002702	,001237
47	NONCOMPETITIVE IMPORTS	,001310	,000108	-------	,000118	,001756	,002988	,000074	,008582	,001407	-------
48	COMPETITIVE IMPORTS	,017368	,036976	,060108	,000859	,027487	,007376	,037742	,014411	,015422	,024941
49	DUMMY INDUSTRIES	,005568	,004829	,014615	,014269	,007691	,016985	,001846	,009927	,005891	,009550
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	,296611	,347798	,315450	,445198	,293120	,303207	,120482	,338834	,369850	,480453
53	VALUE ADDED	,032723	,053478	,054046	,051741	,075274	,069444	,134921	,070782	,034109	,074349
54	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

TABLE B2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	------	------	------	------	------	------	------	------	------	------
2 OTHER AGRICULTURAL PROD.	------	------	------	------	------	------	------	------	------	------
3 FOREST AND FISH PRODUCTS	------	------	------	------	------	------	------	------	------	------
4 IRON ORES MINING	.000880	.047174	.000220	------	.000028	------	------	------	.000021	------
5 NONFERROUS ORES MINING	.001125	.001803	.050422	------	------	------	------	------	.000141	------
6 CRUDE OIL AND NATURAL GAS	------	------	------	------	------	------	------	------	------	------
7 OTHER MINING	.000836	.023220	.000886	.000144	.000584	.000497	.000256	.000142	.000195	.000156
8 CONSTRUCTION	.000961	.009186	.003330	.003213	.003044	.003111	.003195	.002383	.002957	.003910
9 ORDNANCE AND ACCESSORIES	------	.000066	.000005	.000991	.000743	.006222	.000837	.000192	.003895	.004731
10 FOOD PRODUCTS AND TOBACCO	.000553	.000022	.000383	------	.000064	------	.000155	.000109	------	------
11 TEXTILE AND APPAREL	.007256	.000681	.001040	.000983	.001979	.000549	.001199	.000936	.001398	.001408
12 LUMBER AND WOOD PRODUCTS	.002957	.002534	.004092	.005859	.005281	.000314	.002658	.002608	.007672	.009658
13 PAPER AND PRODUCTS	.023844	.000861	.001586	.006307	.013180	.003686	.001844	.006070	.018350	.000547
14 PRINTING AND PUBLISHING	.000308	.000123	.000628	.000120	.006012	.000078	.000304	.007901	.000921	.000078
15 CHEMICALS AND PRODUCTS	.018484	.012360	.008836	.001095	.006811	.000444	.000926	.001605	.006588	.000156
16 OTHER CHEMICAL PRODUCTS	.001161	.000448	.000618	.008817	.007740	.001124	.001329	.002475	.002300	.001916
17 PETROLEUM REFINING	.009441	.003663	.002314	.002694	.002555	.004026	.004906	.001505	.002075	.002503
18 RUBBER AND PLASTICS	.016252	.001062	.010230	.002094	.011571	.001987	.011147	.009949	.020649	.001642
19 LEATHER AND PRODUCTS	.000290	.000082	.000268	.000016	.000250	.000209	.000200	.000100	.000200	.000039
20 GLASS AND PRODUCTS	.000299	.000063	.000038	.004460	.000918	------	.000142	.000892	.008907	.002033
21 STONE AND CLAY PRODUCTS	.111645	.003553	.001888	.003062	.003282	.008732	.007354	.004598	.005576	.009865
22 PRIMARY IRON AND STEEL	.011328	.189673	.016272	.241279	.224314	.100439	.107326	.032899	.029951	.074803
23 RIMARY NONFERROUS METALS	.002331	.027078	.322137	.070312	.060750	.051004	.026979	.029822	.042433	.036482
24 HTNG,PLMG,AND STRL, METAL	.000970	.002134	.000311	.023821	.004486	.003320	.008835	.012432	.001583	.056659
25 OTHER FABRICATED METALS	.011718	.021026	.011792	.049968	.041841	.030438	.034353	.036770	.034682	.027372
26 ENGINES AND TURBINES	.000834	.000189	.000273	.002310	.000918	.074061	.014594	.000418	.002504	.050755
27 MACHINERY AND EQUIPMENT	.019164	.030864	.017604	.033030	.031100	.122739	.136579	.029429	.016521	.005399
28 OFFICE MACHINES	.000381	.000218	.000144	.013573	.002587	------	.002500	.101246	.007429	.000978
29 OTHER ELECTRICAL EQPT.	.003664	.010210	.012655	.013917	.004915	.042118	.029811	.178463	.186004	.012552
30 SHIPBUILDING AND REPAIR	------	.000006	------	.003789	.000203	.003451	.000535	------	------	.006921
31 OTHER TRANSPORT EQPT.	.000063	.004240	.002252	.008074	.013100	.068362	.011670	.014154	.011744	.010518
32 INSTRUMENTS	.000490	.001645	.000331	.005444	.002436	.001510	.003139	.007817	.008240	.004536
33 MISCELLANEOUS MFG.	.003718	.000344	.000800	.000248	.001848	------	.000614	.002140	.001680	.000078
34 DEEPSEA FOREIGN	.001170	.003140	.005525	.000280	.000894	.000549	.000738	.000351	.000665	------
35 DEEPSEA DOMESTIC	.000499	.000504	.000172	.000192	.000135	.000131	.000134	.000042	.000083	.000078
36 GREAT LAKES TRANS.	.001941	.003263	.000038	.000048	.000052	------	.000010	------	.000031	------
37 RIVER AND CANAL TRANS.	.000780	.001718	.000350	.000128	.000139	.000058	.000033	------	.000031	.000039
38 LOCAL WATER TRANS.	------	.000028	------	------	------	------	------	------	------	------
39 SERVICE TO WATER TRANS.	------	------	------	------	------	------	------	------	------	------
40 OTHER TRANS. AND STORAGE	.054562	.036122	.019765	.015388	.013001	.007555	.007884	.006053	.006834	.010792
41 COMMUNICATIONS	.005197	.003001	.002108	.006011	.003918	.004209	.005528	.005459	.006732	.005592
42 UTILITIES	.032396	.025918	.020436	.007586	.009032	.004967	.006340	.003578	.006447	.007195
43 WHOLESALE/RETAIL	.026274	.029430	.035764	.032702	.020324	.033828	.032471	.037773	.030700	.030461
44 FINANCE INS. AND R.E.	.027000	.008246	.012861	.020504	.015783	.009228	.022658	.031043	.019800	.010401
45 SERVICES	.030147	.028298	.014557	.024924	.022259	.019032	.023938	.025065	.031989	.017635
46 GOVERNMENT ENTERPRISE	.001587	.000801	.000565	.000905	.000755	.000915	.001063	.000978	.001273	.001017
47 NONCOMPETITIVE IMPORTS	.000073	------	.003019	------	------	.001359	.000616	------	.001793	------
48 COMPETITIVE IMPORTS	.015962	.044762	.095065	.004325	.016379	.020208	.028021	.015191	.024571	------
49 DUMMY INDUSTRIES	.007256	.029795	.044605	.014069	.009330	.011999	.011256	.018493	.012062	.009150
50 MISCELLANEOUS INDUSTRIES	------	------	------	------	------	------	------	------	------	------
51 INVENTORY VALUE ADJ.	------	------	------	------	------	------	------	------	------	------
52 HOUSEHOLD SECTOR	.392427	.345295	.228328	.328393	.378007	.885365	.399252	.326536	.398066	.473841
53 VALUE ADDED	.063269	.045210	.045472	.039392	.057031	.384032	.047392	.043274	.042202	.038103
54 TOTAL	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	------	-------	-------	-------	-------	-------	-------	-------	-------	,000089
2 OTHER AGRICULTURAL PROD.	------	,000775	,001079	-------	-------	-------	-------	-------	-------	,000891
3 FOREST AND FISH PRODUCTS	------	-------	,000256	-------	-------	-------	-------	-------	-------	,000057
4 IRON ORES MINING	------	-------	-------	-------	-------	-------	-------	-------	-------	-------
5 NONFERROUS ORES MINING	------	,000237	-------	-------	-------	-------	-------	-------	-------	-------
6 CRUDE OIL AND NATURAL GAS	------	-------	-------	-------	-------	-------	-------	-------	-------	,000554
7 OTHER MINING	,000273	,000292	,000641	,000376	,000360	,000377	,000335	,000386	,000403	,000126
8 CONSTRUCTION	,002554	,003491	,002490	,008432	,008454	,008663	,008937	,008501	,008411	,027085
9 ORDNANCE AND ACCESSORIES	,006231	,001942	,000566	-------	-------	-------	-------	-------	-------	-------
10 FOOD PRODUCTS AND TOBACCO	-------	,001139	,002031	,000502	,000540	,000377	,000502	,000386	,000518	,003534
11 TEXTILE AND APPAREL	,011968	,010119	,026408	,007021	,006925	,007156	,006863	,006959	,006913	,002086
12 LUMBER AND WOOD PRODUCTS	,006610	,002671	,018168	-------	-------	-------	-------	-------	-------	,000052
13 PAPER AND PRODUCTS	,002016	,020383	,044747	,001442	,001439	,001507	,001507	,001546	,001325	,001887
14 PRINTING AND PUBLISHING	,000107	,000419	,003708	,000251	,000180	-------	,000167	-------	,000173	,001048
15 CHEMICALS AND PRODUCTS	,001072	,020811	,005707	-------	-------	-------	-------	-------	-------	,000993
16 OTHER CHEMICAL PRODUCTS	,002715	,005397	,006263	,004044	,004047	,004143	,004017	,003864	,004033	,000861
17 PETROLEUM REFINING	,002396	,001376	,003024	,021471	,021405	,021846	,021426	,021252	,021431	,040115
18 RUBBER AND PLASTICS	,016807	,022179	,062221	,001536	,001529	,001507	,001339	,001546	,000864	,006031
19 LEATHER AND PRODUCTS	,000031	,000501	,005846	-------	-------	-------	-------	-------	-------	-------
20 GLASS AND PRODUCTS	,005221	,005488	,003484	,001943	,001979	,001883	,001841	,001932	,001939	,000598
21 STONE AND CLAY PRODUCTS	,002240	,001595	,002661	,000313	,000270	,000377	,000335	,000386	,000258	,000189
22 PRIMARY IRON AND STEEL	,059925	,016992	,026301	,007397	,007465	,007533	,007365	,007342	,007374	,004514
23 RIMARY NONFERROUS METALS	,022568	,036363	,039682	,006959	,006925	,007156	,006863	,006955	,006913	,000363
24 MTNG,PLMG,AND STRL, METAL	,002441	,000893	,000641	-------	-------	-------	-------	-------	-------	-------
25 OTHER FABRICATED METALS	,065162	,035132	,028791	,016989	,016908	,016573	,016907	,016615	,016880	,002243
26 ENGINES AND TURBINES	,006597	-------	-------	,001003	,000989	,001130	,001004	,001159	,000979	,001245
27 MACHINERY AND EQUIPMENT	,038009	,015196	,003452	,006081	,005936	,006403	,006026	,005796	,006049	,002473
28 OFFICE MACHINES	,006458	,002115	,002811	-------	-------	-------	-------	-------	-------	,000085
29 OTHER ELECTRICAL EQPT.	,030418	,061404	,014513	,001066	,001169	,001507	,001004	,002705	,001037	,002621
30 SHIPBUILDING AND REPAIR	,000942	,000191	-------	,032505	,032467	,033145	,032307	,032457	,032435	-------
31 OTHER TRANSPORT EQPT.	,249528	,009280	,005087	,002445	,002428	,002260	,002343	,002318	,002477	,011695
32 INSTRUMENTS	,007276	,077575	,001689	,003699	,003687	,003390	,003683	,003478	,003629	,000589
33 MISCELLANEOUS MFG.	,000679	,003820	,062948	,000815	,000809	,000753	,000837	,000773	,000749	,000228
34 DEEPSEA FOREIGN	,000273	,000893	,002169	-------	,000719	-------	-------	-------	-------	-------
35 DEEPSEA DOMESTIC	,000118	,000046	,000107	,000596	,021045	,000753	,000502	,000773	,000518	,000926
36 GREAT LAKES TRANS.	,000031	,000046	,000021	,000063	-------	,000753	-------	-------	-------	,000020
37 RIVER AND CANAL TRANS.	,000041	,000036	-------	,000125	,000090	-------	,172246	-------	,000173	,000176
38 LOCAL WATER TRANS.	------	-------	,000011	,024919	,001392	-------	,074992	-------	-------	,000020
39 SERVICE TO WATER TRANS.	------	-------	-------	,078049	,201727	,029755	,028624	,005023	,009736	-------
40 OTHER TRANS. AND STORAGE	,012708	,005570	,012141	,038523	,051084	,054237	,045363	,022411	,016477	,095668
41 COMMUNICATIONS	,003913	,006992	,004863	,005078	,005126	,005273	,005022	,004637	,005070	,010185
42 UTILITIES	,004659	,004758	,005130	,002915	,002788	,003013	,003013	,003091	,002823	,006990
43 WHOLESALE/RETAIL	,022518	,033728	,044982	,012287	,011872	,010923	,011383	,010046	,011637	,033525
44 FINANCE INS. AND R,E.	,011294	,020593	,022336	,029558	,032287	,033522	,032474	,032457	,032319	,041682
45 SERVICES	,029473	,040684	,038688	,023916	,023923	,024105	,023770	,023957	,023851	,034990
46 GOVERNMENT ENTERPRISE	,001107	,001386	,002148	,003949	,003957	,003766	,004520	,003478	,136997	,028078
47 NONCOMPETITIVE IMPORTS	,001126	,000109	,019354	,072909	,072758	,074576	,072481	,072643	,072704	,008142
48 COMPETITIVE IMPORTS	,013035	,029535	,058331	,372410	-------	,073070	-------	-------	-------	,003384
49 DUMMY INDUSTRIES	,009599	,014002	,010473	,004451	,004497	,004520	,004520	,004637	,004494	,006514
50 MISCELLANEOUS INDUSTRIES	------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 HOUSEHOLD SECTOR	,292637	,413555	,356418	,161458	,288155	,410923	,357884	,622875	,474651	,520114
53 VALUE ADDED	,051996	,070237	,046543	,042316	,075546	,145763	,040844	,071097	,086012	,097202
54 TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS				,007002	,000460				,001955	
2	OTHER AGRICULTURAL PROD.			,000061	,007432	,001577	,022553			,007289	
3	FOREST AND FISH PRODUCTS			,000848	,000995	,000166	,000069			,003170	
4	IRON ORES MINING		,000008	,000001	,000022						
5	NONFERROUS ORES MINING		,000019	,000005	,000063						
6	CRUDE OIL AND NATURAL GAS		,067560		,001023						
7	OTHER MINING	,000031	,023997	,000048	,000446	,000110	,008364				
8	CONSTRUCTION	,025463	,030465	,003220	,045302	,008816	,102162				
9	ORDNANCE AND ACCESSORIES		,000005	,000232	,000067	,000005				,002784	
10	FOOD PRODUCTS AND TOBACCO		,000048	,005514	,000905	,003359	,006973			,199762	
11	TEXTILE AND APPAREL	,000231	,000447	,001755	,000612	,002145	,001465			,005068	
12	LUMBER AND WOOD PRODUCTS		,000027	,001525	,000247	,000070				,000234	
13	PAPER AND PRODUCTS	,000982	,000983	,009656	,001835	,002501	,001182			,037289	
14	PRINTING AND PUBLISHING	,001844	,000196	,002318	,003547	,067053	,003172			,099558	
15	CHEMICALS AND PRODUCTS	,000022	,001522	,001317	,001878	,002057	,007325			,000981	
16	OTHER CHEMICAL PRODUCTS	,000049	,000008	,001991	,000716	,011923	,002169			,004955	
17	PETROLEUM REFINING	,002910	,007366	,008418	,005039	,005109	,008116			,008734	
18	RUBBER AND PLASTICS	,001075	,000665	,004522	,001103	,006617	,002382			,001658	
19	LEATHER AND PRODUCTS		,000003	,000250	,000042	,001469	,000098			,002746	
20	GLASS AND PRODUCTS			,000794	,000113	,000968	,000127			,000259	
21	STONE AND CLAY PRODUCTS	,000004	,000019	,000970	,000229	,001659	,000288			,000165	
22	PRIMARY IRON AND STEEL		,001085	,000226	,000383	,000071	,000485			,013358	
23	RIMARY NONFERROUS METALS	,000444	,000292	,000257	,000227	,000038	,000046			,009852	
24	HTNG,PLMG,AND STRL, METAL		,000003	,001102	,000282		,000017			,002506	
25	OTHER FABRICATED METALS	,000022	,000715	,001980	,000266	,012951	,000900			,012484	
26	ENGINES AND TURBINES		,000046	,000104	,000024	,000687	,000744			,000766	
27	MACHINERY AND EQUIPMENT	,000009	,001002	,002247	,001835	,006421	,000952			,005353	
28	OFFICE MACHINES			,000836	,001644	,002587	,000196			,001544	
29	OTHER ELECTRICAL EQPT.	,012811	,001977	,002602	,001534	,006984	,000248			,014895	
30	SHIPBUILDING AND REPAIR			,000010	,000024		,000110			,000468	
31	OTHER TRANSPORT EQPT.	,000147	,000072	,001190	,001075	,008903	,000952			,008378	
32	INSTRUMENTS	,000155	,000003	,001408	,000396	,006737	,000300			,015699	
33	MISCELLANEOUS MFG.	,000155	,000003	,001506	,000230	,007375	,000144			,029240	
34	DEEPSEA FOREIGN					,000003	,004764			,002025	
35	DEEPSEA DOMESTIC	,000076	,000402	,000135	,000316	,000165	,000323			,000202	
36	GREAT LAKES TRANS.	,000004	,000212	,000007	,000007	,000016	,000075			,000025	
37	RIVER AND CANAL TRANS.	,000013	,000796	,000037	,000012	,000061	,000450			,000089	
38	LOCAL WATER TRANS.		,000013	,000005	,000001	,000001					
39	SERVICE TO WATER TRANS.										
40	OTHER TRANS. AND STORAGE	,001812	,013649	,007381	,007189	,005588	,066609			,294182	
41	COMMUNICATIONS	,015890	,002666	,010830	,007472	,034968	,003640				
42	UTILITIES	,007960	,184976	,014782	,005142	,014883	,073126				
43	WHOLESALE/RETAIL	,008742	,005415	,020701	,013728	,029106	,010832			,047413	
44	FINANCE INS. AND R.E.	,027937	,010008	,067836	,111115	,059033	,034983			,000316	
45	SERVICES	,085037	,010731	,067949	,054446	,069361	,037255			,106408	
46	GOVERNMENT ENTERPRISE	,004056	,150307	,014569	,014561	,008371	,001344				
47	NONCOMPETITIVE IMPORTS	,005908		,000279	,000505	,000506	,019698				
48	COMPETITIVE IMPORTS		,003888		,000124					,066155	,019032
49	DUMMY INDUSTRIES	,013993	,004260	,014658	,009784	,019713	,005630				
50	MISCELLANEOUS INDUSTRIES										
51	INVENTORY VALUE ADJ.										
52	HOUSEHOLD SECTOR	,544788	,285834	,524826	,401363	,493254	,522579				,912021
53	VALUE ADDED	,237430	,164610	,199103	,287883	,096171	,046005				,018199
54	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

		51	52
1	LIVESTOCK AND PRODUCTS	-----	,002878
2	OTHER AGRICULTURAL PROD,	-----	,005969
3	FOREST AND FISH PRODUCTS	-----	,000928
4	IRON ORES MINING	-----	-----
5	NONFERROUS ORES MINING	-----	-----
6	CRUDE OIL AND NATURAL GAS	-----	-----
7	OTHER MINING	-----	,000203
8	CONSTRUCTION	-----	-----
9	ORDNANCE AND ACCESSORIES	-----	,000512
10	FOOD PRODUCTS AND TOBACCO	-----	,105266
11	TEXTILE AND APPAREL	-----	,032142
12	LUMBER AND WOOD PRODUCTS	-----	,006822
13	PAPER AND PRODUCTS	-----	,002502
14	PRINTING AND PUBLISHING	-----	,006546
15	CHEMICALS AND PRODUCTS	-----	,000801
16	OTHER CHEMICAL PRODUCTS	-----	,011672
17	PETROLEUM REFINING	-----	,016199
18	RUBBER AND PLASTICS	-----	,003634
19	LEATHER AND PRODUCTS	-----	,005815
20	GLASS AND PRODUCTS	-----	,000504
21	STONE AND CLAY PRODUCTS	-----	,000388
22	PRIMARY IRON AND STEEL	-----	,000006
23	RIMARY NONFERROUS METALS	-----	,000023
24	HTNG,PLMG,AND STRL, METAL	-----	,000104
25	OTHER FABRICATED METALS	-----	,001825
26	ENGINES AND TURBINES	-----	,000229
27	MACHINERY AND EQUIPMENT	-----	,000242
28	OFFICE MACHINES	-----	,000820
29	OTHER ELECTRICAL EQPT,	-----	,013612
30	SHIPBUILDING AND REPAIR	-----	-----
31	OTHER TRANSPORT EQPT,	-----	,026933
32	INSTRUMENTS	-----	,002591
33	MISCELLANEOUS MFG,	-----	,007019
34	DEEPSEA FOREIGN	-----	,000486
35	DEEPSEA DOMESTIC	-----	,000476
36	GREAT LAKES TRANS,	-----	,000037
37	RIVER AND CANAL TRANS,	-----	,000108
38	LOCAL WATER TRANS,	-----	,000026
39	SERVICE TO WATER TRANS,	-----	,000065
40	OTHER TRANS, AND STORAGE	-----	,016912
41	COMMUNICATIONS	-----	,012453
42	UTILITIES	-----	,022143
43	WHOLESALE/RETAIL	-----	,173791
44	FINANCE INS, AND R,E,	-----	,152766
45	SERVICES	-----	,118884
46	GOVERNMENT ENTERPRISE	-----	,003413
47	NONCOMPETITIVE IMPORTS	-----	,015683
48	COMPETITIVE IMPORTS	-----	-----
49	DUMMY INDUSTRIES	-----	,002044
50	MISCELLANEOUS INDUSTRIES	-----	,004217
51	INVENTORY VALUE ADJ,	-----	-----
52	HOUSEHOLD SECTOR	-----	,007470
53	VALUE ADDED	1,000000	,220308
54	TOTAL	1,000000	1,000000

TABLE B3. DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF GROSS OUTPUT

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	10,381822	2,876867	3,263817	---•----	-•-----	•-----•	-•-----	-------	-------	11,512972
2	OTHER AGRICULTURAL PROD.	20,344842	2,357771	9,863695	-------	-----•-	--•----	----•--	,059564	-------	6,343269
3	FOREST AND FISH PRODUCTS	1,356510	3,222415	1,177838	--•----	-------	•-•----	•---•--	,120081	-------	,298971
4	IRON ORES MINING	-•------	-------	•------	,773770	,039389	------•	,003365	-------	-------	-----••
5	NONFERROUS ORES MINING	-•----••	---•---	-------	,622282	4,338459	•---•--	,036953	-------	-------	-----••
6	CRUDE OIL AND NATURAL GAS	--•---•-	---•---	-------	-------	-•---•-	,456332	,003884	-------	-------	---••••
7	OTHER MINING	,007345	,182743	•------	,206044	,182961	,000788	3,270137	,395628	,009195	,021648
8	CONSTRUCTION	,293561	,500085	•------	,666050	,367023	1,222433	,292999	,011058	,087708	,104758
9	ORDNANCE AND ACCESSORIES	-•-----	-------	-------	-------	-------	•-----•	-------	-------	2,114322	----••-
10	FOOD PRODUCTS AND TOBACCO	2,318721	---•---	,282483	-------	-•-----	•------	-------	-------	-------	3,296517
11	TEXTILE AND APPAREL	,016681	,141169	1,177177	,056911	,003025	,015845	,236931	,134133	,118336	,073924
12	LUMBER AND WOOD PRODUCTS	,004335	,184924	,135345	,101549	,323912	•-----•	,179615	2,632684	,356963	,062524
13	PAPER AND PRODUCTS	,016456	,004704	,794379	,005133	,009095	,002183	,116687	,084430	,287052	,022697
14	PRINTING AND PUBLISHING	,009432	,016931	,005132	,008150	,005777	,001891	,002171	,000917	,006620	,261939
15	CHEMICALS AND PRODUCTS	,049591	1,628073	,101695	,319068	,621740	,220475	,387320	,030206	,451593	,086707
16	OTHER CHEMICAL PRODUCTS	,035528	-------	,010979	-•-----	-•-----	,012002	,000310	,259711	,003210	,060315
17	PETROLEUM REFINING	,037019	,215453	,059889	,016748	,022362	,014911	,115908	,133081	,016577	,015348
18	RUBBER AND PLASTICS	,038672	,187327	,017583	,269932	,170221	,073644	,318413	,235284	,298177	,301673
19	LEATHER AND PRODUCTS	,019554	-•-----	,011411	--•----	-•-----	•-----•	-•-----	-------	,003867	,001882
20	GLASS AND PRODUCTS	,008367	-------	-------	-------	-•-----	•------	-•-----	,112937	,006397	,470367
21	STONE AND CLAY PRODUCTS	,003035	,036429	,005494	,021814	,072158	,233383	,843996	2,812699	,059861	,000391
22	PRIMARY IRON AND STEEL	-•-----	-•-----	-------	,689405	,727711	,229936	,490887	,492771	1,489646	,003887
23	RIMARY NONFERROUS METALS	,000824	,000817	-------	,042332	,011845	•------•	,041848	,444642	,940911	,001057
24	HTNG,PLMG,AND STRL, METAL	-•-----•	---•---	-------	,004430	,002355	,124377	,036990	3,399704	,019431	--•---•
25	OTHER FABRICATED METALS	,083533	,066275	,471933	,086218	,196131	,145380	,369128	,671964	,869338	,868478
26	ENGINES AND TURBINES	--•----	-•-----	,027793	,062009	,146449	,088248	,162633	,024259	,014493	----•••
27	MACHINERY AND EQUIPMENT	,013613	,404912	,003290	,616146	1,777814	,575369	1,063813	,351076	,888084	,897569
28	OFFICE MACHINES	--•----	-•-----	-------	-------	-•----•	•-----•	-•-----	,236921	,043086	-•----•
29	OTHER ELECTRICAL EQPT.	,018217	,056811	,015888	,046726	,037261	,463742	,104570	,909347	1,999341	,002677
30	SHIPBUILDING AND REPAIR	-•----•	-•-----	-------	-------	-•-----	•-•---•	-•-----	-------	-•----•	-•----•
31	OTHER TRANSPORT EQPT.	,005821	,012408	,093287	,083281	,034176	•----••	,002725	,001283	3,117530	,001899
32	INSTRUMENTS	-•--•--	---•---	,001778	,004706	,010007	,025387	-•----•-	,120611	,680777	,005772
33	MISCELLANEOUS MFG.	,003138	,003369	,042655	,007877	,016750	,000914	,006296	,089458	,019628	,004184
34	DEEPSEA FOREIGN	,004615	,012680	,100292	,833071	,537812	,107395	,031119	-------	,005488	,018089
35	DEEPSEA DOMESTIC	,005687	,027786	,006508	,003445	-•-----	,005796	,011015	,013844	,004198	,006323
36	GREAT LAKES TRANS.	,002477	,003517	,000530	,001404	-•-----	,000652	,001122	,002157	-------	---•--•
37	RIVER AND CANAL TRANS.	-•----•-	-•-----	-------	-------	-•----•	-------	-•-----	,003987	,002598	,015221
38	LOCAL WATER TRANS.	-•-----•	,000630	,002595	---•---	-•--••-	•---•-•	----••-	,000116	-------	,002767
39	SERVICE TO WATER TRANS.	-•-----	-•-----	-------	-------	-•-----	•------	-•-----	-------	-------	-------•
40	OTHER TRANS. AND STORAGE	1,312529	,836944	,494616	,565492	,466424	,186073	,491240	1,472431	,461538	1,504890
41	COMMUNICATIONS	,105859	,106396	-------	,051872	,070910	,035533	,068441	,141250	,414984	,133516
42	UTILITIES	,054311	,123299	,010066	,481576	,425990	,197025	,490598	,012279	,084322	,114120
43	WHOLESALE/RETAIL	4,300351	5,290290	1,630302	1,032030	1,670047	1,149237	2,030435	7,874597	2,463160	3,393684
44	FINANCE INS. AND R.E.	,478701	1,667080	,480862	1,632348	,902591	3,360927	1,088301	,263433	,139956	,235698
45	SERVICES	,854602	3,252560	,090348	2,464704	1,029356	1,183993	2,201163	3,538011	1,943014	2,679123
46	GOVERNMENT ENTERPRISE	,006576	,007060	,007453	,036638	,041951	,020598	,037543	,031262	,063180	,047129
47	NONCOMPETITIVE IMPORTS	--•----	-•-----	-------	-•-----	------•	•----•-	-•-----	-------	-------	--•-•••
48	COMPETITIVE IMPORTS	-•-•---	-•-----	-------	-•-•---	-•-----	•---•--	-•-----	-------	-------	--•---•
49	DUMMY INDUSTRIES	-•-----•	-•-----	-------	-•-----	-•---•-	•-----•	-•-----	-------	-------	--•-•••
50	MISCELLANEOUS INDUSTRIES	--•----	-------	-------	-•-----	-•---•-	•------	-------	-------	-------	--•-•••
51	INVENTORY VALUE ADJ.	--•--••	-•-----	-------	-------	-•-----	•-----•	-------	-------	-------	-------•
52	HOUSEHOLD SECTOR	-•-----•	-•-----	-------	-------	-•-----	•------	-------	-------	-------	--•--••
53	COLUMN SUM	42,194323	23,427723	20,387118	11,813763	14,261702	10,154471	14,536195	27,157818	18,922172	32,830289
54	LABOR OUTPUT RATIO	56,694856	74,387087	68,899771	14,681425	32,682927	18,349234	39,481123	38,584431	29,550960	19,229703
55	EMP. MULTIPLIER (DIRECT)	,744235	,314943	,295895	,804674	,436366	,553400	,368180	,703854	,640323	1,707270

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,310680	-------	-------	-------	-------	,043538	-------	-------	,154236	-------
2	OTHER AGRICULTURAL PROD.	1,844834	,428755	-------	-------	,116160	,278904	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	,240002	3,225651	-------	-------	,037152	,012005	-------	,000930	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	,029829	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	,099676	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	,038943	-------	7,860819	-------	-------	-------
7	OTHER MINING	,016713	,014211	,265358	,001250	1,258075	,096053	,107283	,104239	,015555	,501694
8	CONSTRUCTION	,073865	,169005	,246110	,137116	,267971	,150145	,519799	,178058	,055741	,321791
9	ORDNANCE AND ACCESSORIES	-------	,022379	-------	,005879	,014022	-------	-------	,003190	-------	-------
10	FOOD PRODUCTS AND TOBACCO	,018953	,005483	,113871	-------	,160510	,475158	,021956	,048781	,946693	-------
11	TEXTILE AND APPAREL	20,973359	1,185241	,525952	,247438	,065281	,048030	,004966	1,938915	3,154870	,060048
12	LUMBER AND WOOD PRODUCTS	,029005	11,209084	2,597833	,022461	,117333	,020949	,002735	,123669	,447570	,722077
13	PAPER AND PRODUCTS	,240125	,293274	7,304719	4,566815	,445385	,876715	,176726	,869217	,540114	1,772194
14	PRINTING AND PUBLISHING	,020054	,011737	,359815	5,213235	,009400	,087739	,004742	,020668	,027553	,009971
15	CHEMICALS AND PRODUCTS	,216488	,167206	,677840	,371000	3,846043	2,586608	,467474	3,133641	,228123	,465728
16	OTHER CHEMICAL PRODUCTS	,019381	,164872	,030453	,014388	,333399	,992820	,073940	,124629	,175696	,122653
17	PETROLEUM REFINING	,007237	,037335	,039172	,012344	,527365	,043477	,460989	,042796	,008410	,012150
18	RUBBER AND PLASTICS	2,031882	,645057	,783142	,206347	1,078618	1,569621	,074609	4,774285	2,280779	,783977
19	LEATHER AND PRODUCTS	,131024	,020312	,006941	,004167	,003124	,000850	,001464	,006169	12,508630	-------
20	GLASS AND PRODUCTS	,068064	,160923	,003218	-------	,021129	,570445	-------	,087713	-------	2,972341
21	STONE AND CLAY PRODUCTS	,025634	,245775	,061082	-------	,110482	,086186	,091030	,124892	,014273	,707175
22	PRIMARY IRON AND STEEL	,000061	,528851	,043922	,013457	,229735	,024056	,008999	,061997	-------	-------
23	RIMARY NONFERROUS METALS	,000655	,059659	,020309	,034866	,269564	,040866	,029165	,037657	,003280	,144627
24	HTNG,PLMG,AND STRL, METAL	,000651	,050918	,000509	-------	,002333	,000997	,003293	,018068	-------	,013210
25	OTHER FABRICATED METALS	,058022	1,172661	,419445	,366570	,486235	1,348545	,134665	,459184	,566746	,032194
26	ENGINES AND TURBINES	-------	,000893	-------	-------	-------	-------	-------	-------	-------	-------
27	MACHINERY AND EQUIPMENT	,133520	,206217	,271170	,058015	,551393	,050713	,127789	,334849	,172308	,156809
28	OFFICE MACHINES	,001750	,028053	,005137	,000835	,005045	,002979	-------	,003184	-------	,003239
29	OTHER ELECTRICAL EQPT.	,015958	,067605	,026128	,021181	,044987	,019717	,018123	,044159	,026751	,088958
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	,004924	-------	-------
31	OTHER TRANSPORT EQPT.	,002307	,033823	-------	,001382	,019672	,004768	,002644	,075744	,002390	,095177
32	INSTRUMENTS	,039317	,077679	,060561	,343185	,025841	,146423	,027075	,056356	,110081	,077721
33	MISCELLANEOUS MFG.	,352421	,087964	,031979	,075140	,039105	,041364	,001358	,193984	,355620	,080703
34	DEEPSEA FOREIGN	,020490	,112205	,027285	,000228	,026720	,010428	,055536	,019684	,010421	,049155
35	DEEPSEA DOMESTIC	,002530	,014463	,011744	,001630	,035634	,009111	,324384	,013916	,008454	,003161
36	GREAT LAKES TRANS.	-------	,000572	,008604	,000996	,004330	,001106	,001543	,001542	,001378	,004509
37	RIVER AND CANAL TRANS.	,002891	,017645	,020953	,000931	,034786	,009522	,063733	,012811	,000644	,007222
38	LOCAL WATER TRANS.	,002649	,008959	,006577	-------	,000517	-------	,005330	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,589009	1,203200	1,920349	,680337	1,333024	,861931	2,116376	,990499	,682817	1,498337
41	COMMUNICATIONS	,131981	,145974	,143041	,487420	,141205	,192064	,039279	,179391	,164043	,148444
42	UTILITIES	,120169	,144307	,297601	,093981	,518481	,074289	,294393	,210440	,096853	,613421
43	WHOLESALE/RETAIL	2,965065	3,587691	2,981409	2,457829	2,317723	2,998963	1,108809	3,112209	4,322366	3,066965
44	FINANCE INS. AND R.E.	,302420	,330345	,357334	,995635	,555671	,681857	,653078	,384698	,404743	,485874
45	SERVICES	1,050430	1,501580	1,674623	3,210187	2,135318	9,877571	1,999127	2,242798	1,798139	2,151649
46	GOVERNMENT ENTERPRISE	,079175	,045716	,047062	,622122	,089459	,083724	,030424	,041555	,132770	,060766
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	32,138769	27,433280	21,391249	20,268367	17,446672	24,420236	16,911655	20,141439	29,418108	17,233938
54	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,460757	65,834897	45,777427
55	EMP. MULTIPLIER (DIRECT)	,647727	,557739	,717053	,427845	,862364	1,204763	2,490130	,620486	,446847	,376472

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS										
2 OTHER AGRICULTURAL PROD.										
3 FOREST AND FISH PRODUCTS										
4 IRON ORES MINING	,012916	,692581	,003236		,000408				,000305	
5 NONFERROUS ORES MINING	,036756	,058931	1,647927						,004622	
6 CRUDE OIL AND NATURAL GAS										
7 OTHER MINING	3,191504	,916742	,034998	,005681	,023061	,019611	,009311	,005611	,007718	,006175
8 CONSTRUCTION	,345741	,354427	,128492	,123988	,117438	,120034	,121717	,091937	,114104	,150874
9 ORDNANCE AND ACCESSORIES		,001956	,000142	,029291	,021957	,183863	,024729	,005682	,115106	,139816
10 FOOD PRODUCTS AND TOBACCO	,010639	,000424	,007371		,001223		,002975	,002090		
11 TEXTILE AND APPAREL	,360005	,033784	,051591	,048785	,098183	,027240	,059514	,046461	,069342	,069846
12 LUMBER AND WOOD PRODUCTS	,145427	,124660	,201272	,288200	,259741	,015430	,130715	,128302	,377351	,475056
13 PAPER AND PRODUCTS	,711308	,025673	,047314	,188150	,393187	,109964	,054997	,181073	,308776	,016331
14 PRINTING AND PUBLISHING	,014608	,005824	,029736	,005680	,284800	,003715	,014416	,374280	,043644	,003705
15 CHEMICALS AND PRODUCTS	,373945	,250060	,178756	,022156	,137785	,008991	,018725	,032475	,133290	,003164
16 OTHER CHEMICAL PRODUCTS	,023531	,009073	,012929	,178717	,156894	,022786	,026934	,050162	,046622	,038837
17 PETROLEUM REFINING	,064120	,024877	,015718	,018295	,017352	,027342	,030603	,010220	,014096	,016996
18 RUBBER AND PLASTICS	,527568	,034484	,332073	,067983	,375594	,064494	,361895	,322952	,670277	,053310
19 LEATHER AND PRODUCTS	,019107	,005396	,017665	,001053	,016480	,013769	,013189	,006605	,013144	,002574
20 GLASS AND PRODUCTS	,013701	,002886	,001755	,204187	,042018		,006501	,004210	,407746	,093080
21 STONE AND CLAY PRODUCTS	4,718544	,150147	,079789	,129393	,138713	,369029	,310802	,194340	,235643	,247891
22 PRIMARY IRON AND STEEL	,327339	5,480987	,470217	6,972242	6,481993	2,902393	3,101400	,950671	,865498	2,161570
23 RIMARY NONFERROUS METALS	,045277	,525993	6,257516	1,365807	1,180073	,990751	,524059	,579291	,824265	,788678
24 HTNG,PLMG,AND STRL, METAL	,037483	,082430	,012030	,920086	,173273	,128239	,341245	,480190	,061129	2,188464
25 OTHER FABRICATED METALS	,409682	,735112	,412279	1,747005	1,462847	1,063900	1,201056	1,285552	1,212579	,956976
26 ENGINES AND TURBINES	,022773	,005162	,007454	,063050	,024834	2,021337	,398300	,011409	,068338	1,385232
27 MACHINERY AND EQUIPMENT	,727529	1,171714	,668322	1,253926	1,180682	4,659619	5,185056	1,117234	,627189	3,242074
28 OFFICE MACHINES	,011723	,006694	,004424	,417714	,079606		,076947	3,115839	,228613	,030084
29 OTHER ELECTRICAL EQPT.	,149268	,415948	,515524	,566949	,200235	1,715711	1,214452	7,270289	7,577480	,511339
30 SHIPBUILDING AND REPAIR		,000345		,207420	,011093	,188907	,029291			,378882
31 OTHER TRANSPORT EQPT.	,001617	,108017	,057374	,205687	,333756	1,741645	,297308	,360609	,299192	,267976
32 INSTRUMENTS	,020095	,067515	,013965	,223353	,099938	,062212	,128808	,320739	,338070	,186107
33 MISCELLANEOUS MFG.	,170247	,015731	,036636	,011345	,084593		,028096	,097991	,076933	,003581
34 DEEPSEA FOREIGN	,019693	,052848	,092993	,004709	,015049	,009241	,012421	,005911	,011202	
35 DEEPSEA DOMESTIC	,014984	,015150	,005182	,005763	,004058	,003926	,004037	,001256	,002499	,002349
36 GREAT LAKES TRANS.	,047517	,079876	,000938	,001174	,001265		,000248		,000764	
37 RIVER AND CANAL TRANS.	,026765	,058954	,012003	,004389	,004772	,001794	,001131		,001070	,001342
38 LOCAL WATER TRANS.		,001699								
39 SERVICE TO WATER TRANS.										
40 OTHER TRANS. AND STORAGE	3,260651	2,158673	1,181180	,919577	,776956	,451500	,471144	,361731	,408387	,644948
41 COMMUNICATIONS	,223833	,129256	,090807	,258910	,168746	,181284	,238102	,235144	,289949	,240838
42 UTILITIES	,557456	,445985	,351652	,130335	,155412	,085471	,109088	,061573	,110935	,123804
43 WHOLESALE/RETAIL	2,597906	2,909909	3,536242	3,233442	2,009588	3,344822	3,210632	3,734836	3,035487	3,011838
44 FINANCE INS. AND R.E.	,540818	,165179	,257603	,410696	,316132	,184846	,453840	,621796	,396610	,208340
45 SERVICES	2,027583	1,903236	,979041	1,676311	1,497088	1,280009	1,610000	1,685776	2,151488	1,186079
46 GOVERNMENT ENTERPRISE	,077998	,039348	,027786	,044390	,037101	,044965	,052215	,048071	,062547	,049962
47 NONCOMPETITIVE IMPORTS										
48 COMPETITIVE IMPORTS										
49 DUMMY INDUSTRIES										
50 MISCELLANEOUS INDUSTRIES										
51 INVENTORY VALUE ADJ.										
52 HOUSEHOLD SECTOR										
53 COLUMN SUM	21,867656	19,267688	17,781130	21,956037	18,383925	22,048840	19,875897	23,802301	21,212813	18,808112
54 LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	38,625100	34,962451	27,292691	37,963738	30,775019	40,738276	54,743099
55 EMP. MULTIPLIER (DIRECT)	,517883	,666771	,915373	,568440	,525819	,807866	,523548	,773429	,520690	,343570

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	----------	----------	----------	----------	----------	----------	----------	----------	----------	,005052
2	OTHER AGRICULTURAL PROD.	----------	,057638	,080294	----------	----------	----------	----------	----------	----------	,066287
3	FOREST AND FISH PRODUCTS	----------	----------	,017672	----------	----------	----------	----------	----------	----------	,003893
4	IRON ORES MINING	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
5	NONFERROUS ORES MINING	----------	,007746	----------	----------	----------	----------	----------	----------	----------	----------
6	CRUDE OIL AND NATURAL GAS	----------	----------	----------	----------	----------	----------	----------	----------	----------	,010170
7	OTHER MINING	,010790	,011517	,025317	,014850	,014203	,014870	,013218	,015259	,015922	,004977
8	CONSTRUCTION	,098545	,134711	,096080	,325337	,326193	,334253	,329395	,327997	,324538	1,045069
9	ORDNANCE AND ACCESSORIES	,184125	,057378	,016738	----------	----------	----------	----------	----------	----------	----------
10	FOOD PRODUCTS AND TOBACCO	----------	,021912	,039047	,009644	,010377	,007243	,009657	,007430	,009970	,067958
11	TEXTILE AND APPAREL	,593848	,502058	1,310308	,348380	,343607	,355080	,340530	,345100	,343019	,103527
12	LUMBER AND WOOD PRODUCTS	,325109	,131374	,893633	----------	----------	----------	----------	----------	----------	,002566
13	PAPER AND PRODUCTS	,060138	,608065	1,334908	,043014	,042928	,044945	,044943	,046108	,039529	,056279
14	PRINTING AND PUBLISHING	,005072	,019865	,175681	,011879	,008521	----------	,007930	----------	,008188	,049628
15	CHEMICALS AND PRODUCTS	,021689	,421038	,115459	----------	----------	----------	----------	----------	----------	,020095
16	OTHER CHEMICAL PRODUCTS	,055024	,109386	,126943	,081961	,082034	,083980	,081432	,078322	,081742	,017446
17	PETROLEUM REFINING	,016274	,009348	,020541	,145822	,145370	,148364	,145515	,144332	,145548	,272439
18	RUBBER AND PLASTICS	,545581	,719936	2,019734	,049857	,049630	,048905	,043469	,050171	,028051	,195779
19	LEATHER AND PRODUCTS	,002040	,033007	,384864	----------	----------	----------	----------	----------	----------	----------
20	GLASS AND PRODUCTS	,238990	,251213	,159490	,088963	,090575	,086210	,084291	,088442	,089667	,027361
21	STONE AND CLAY PRODUCTS	,094665	,067422	,112468	,013248	,011403	,015919	,014149	,016331	,012174	,007992
22	PRIMARY IRON AND STEEL	1,731665	,491012	,760025	,213763	,215708	,217680	,212834	,212150	,213090	,130447
23	RIMARY NONFERROUS METALS	,438377	,706348	,770814	,135171	,134520	,139011	,133315	,135104	,134290	,007051
24	HTNG,PLMG,AND STRL, METAL	,094296	,034506	,024768	----------	----------	----------	----------	----------	----------	----------
25	OTHER FABRICATED METALS	2,278209	1,228307	1,006614	,593977	,591145	,579415	,591096	,580906	,590160	,078420
26	ENGINES AND TURBINES	,180050	----------	----------	,027376	,027001	,030839	,027411	,031638	,026730	,033990
27	MACHINERY AND EQUIPMENT	1,442948	,576897	,131049	,230855	,225345	,243082	,228774	,220037	,229646	,093898
28	OFFICE MACHINES	,198731	,065085	,086500	----------	----------	----------	----------	----------	----------	,002609
29	OTHER ELECTRICAL EQPT.	1,239194	2,501486	,591243	,043416	,047630	,061376	,040916	,110189	,042245	,106781
30	SHIPBUILDING AND REPAIR	,051592	,010480	----------	1,779412	1,777341	1,814461	1,768567	1,776824	1,775571	----------
31	OTHER TRANSPORT EQPT.	6,255229	,236419	,129602	,062288	,061864	,057574	,059704	,059065	,063112	,297955
32	INSTRUMENTS	,298536	3,182917	,069282	,151758	,151294	,139085	,151098	,142686	,148917	,020867
33	MISCELLANEOUS MFG.	,031087	,174872	2,881984	,037313	,037059	,034489	,038319	,035382	,034289	,010448
34	DEEPSEA FOREIGN	,004600	,015037	,036518	----------	,012111	----------	----------	----------	----------	----------
35	DEEPSEA DOMESTIC	,003555	,001369	,003210	,017890	,632166	,022628	,015085	,023214	,015575	,027812
36	GREAT LAKES TRANS.	,000759	,001116	,000523	,001535	----------	,018442	----------	----------	----------	,000479
37	RIVER AND CANAL TRANS.	,001402	,001251	----------	,004502	,003086	----------	5,910698	----------	,005931	,006041
38	LOCAL WATER TRANS.	----------	----------	,000640	1,492461	4,874727	----------	4,491384	----------	----------	,001172
39	SERVICE TO WATER TRANS.	----------	----------	----------	5,089962	13,155589	1,940481	1,866713	,327586	,634942	----------
40	OTHER TRANS. AND STORAGE	,759439	,332850	,725531	2,302156	3,052791	3,241249	2,710931	1,339301	,984648	5,717153
41	COMMUNICATIONS	,168556	,301146	,209442	,218712	,220799	,227118	,216294	,199712	,218359	,438667
42	UTILITIES	,080163	,081881	,068272	,050161	,047975	,051849	,051847	,053192	,048575	,120276
43	WHOLESALE/RETAIL	2,226533	3,334939	4,447697	1,214919	1,173819	1,080006	1,125477	,993349	1,150653	3,314843
44	FINANCE INS. AND R.E.	,226217	,412477	,447404	,592067	,646724	,671453	,650469	,650138	,647371	,834908
45	SERVICES	1,982269	2,736251	2,602002	1,608528	1,608984	1,621254	1,598670	1,611251	1,604118	2,353312
46	GOVERNMENT ENTERPRISE	,054414	,068093	,105566	,194090	,194469	,185097	,222107	,170900	6,732484	1,379866
47	NONCOMPETITIVE IMPORTS	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
48	COMPETITIVE IMPORTS	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
49	DUMMY INDUSTRIES	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
50	MISCELLANEOUS INDUSTRIES	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
51	INVENTORY VALUE ADJ.	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
52	HOUSEHOLD SECTOR	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------
53	COLUMN SUM	21,999709	19,658353	22,047861	17,195068	30,016985	13,516359	23,226239	9,792112	16,399053	16,933511
54	LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	16,832273	30,038673	24,482109	34,315366	59,891809	65,214887	59,760532
55	EMP. MULTIPLIER (DIRECT)	,863525	,479120	,481564	1,021554	,999278	,552091	,676847	,163497	,251462	,283356

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS				,396993	,026090				,110851	
2	OTHER AGRICULTURAL PROD.			,004553	,552650	,117510	1,677636			,542236	
3	FOREST AND FISH PRODUCTS			,058413	,068555	,011425	,004769			,218421	
4	IRON ORES MINING		,000118	,000018	,000328						
5	NONFERROUS ORES MINING		,000613	,000160	,002050						
6	CRUDE OIL AND NATURAL GAS		1,239671		,018770						
7	OTHER MINING	,001228	,947437	,001885	,017607	,004338	,330203				
8	CONSTRUCTION	,982458	1,175491	,124257	1,747964	,340167	3,941879				
9	ORDNANCE AND ACCESSORIES		,000158	,006856	,001982	,000157				,082274	
10	FOOD PRODUCTS AND TOBACCO		,000927	,106033	,017402	,064596	,134098			3,841365	
11	TEXTILE AND APPAREL	,011461	,022202	,087077	,030355	,106435	,072693			,251483	
12	LUMBER AND WOOD PRODUCTS		,001318	,075030	,012128	,003439				,011516	
13	PAPER AND PRODUCTS	,029287	,029336	,268049	,054752	,074622	,035275			1,112398	
14	PRINTING AND PUBLISHING	,087333	,009266	,109787	,168037	3,176511	,150286			4,716395	
15	CHEMICALS AND PRODUCTS	,000449	,030791	,026650	,037998	,041620	,148200			,019842	
16	OTHER CHEMICAL PRODUCTS	,000990	,000163	,040350	,014503	,241675	,043960			,100427	
17	PETROLEUM REFINING	,019761	,050025	,057170	,034222	,034696	,055117			,004985	
18	RUBBER AND PLASTICS	,034896	,021570	,146800	,035807	,214797	,077327			,053814	
19	LEATHER AND PRODUCTS		,000176	,016442	,002781	,096721	,006455			,180794	
20	GLASS AND PRODUCTS			,036344	,005175	,044297	,005809			,011876	
21	STONE AND CLAY PRODUCTS	,000188	,000793	,040979	,009686	,072113	,012189			,006953	
22	PRIMARY IRON AND STEEL		,031358	,006545	,011074	,002059	,014001			,385993	
23	PRIMARY NONFERROUS METALS	,008629	,005673	,004994	,004404	,000737	,000896			,191376	
24	HTNG,PLMG,AND STRL, METAL		,000103	,042558	,010891		,000668			,096784	
25	OTHER FABRICATED METALS	,000777	,025013	,069233	,009294	,452782	,031459			,436483	
26	ENGINES AND TURBINES		,001243	,002840	,000644	,018740	,020308			,020896	
27	MACHINERY AND EQUIPMENT	,000337	,038044	,085309	,069677	,243752	,036131			,203225	
28	OFFICE MACHINES			,025714	,050596	,079624	,006035			,047515	
29	OTHER ELECTRICAL EQPT.	,521907	,080557	,105982	,062497	,284519	,010104			,606803	
30	SHIPBUILDING AND REPAIR			,000536	,001292		,005999			,025633	
31	OTHER TRANSPORT EQPT.	,003735	,001843	,033316	,027375	,226812	,024247			,213436	
32	INSTRUMENTS	,006379	,000110	,057766	,016259	,276419	,012306			,644121	
33	MISCELLANEOUS MFG.	,007118	,000123	,068943	,010521	,337656	,006602			1,338712	
34	DEEPSEA FOREIGN					,000045	,080195			,034082	
35	DEEPSEA DOMESTIC	,002268	,012073	,004064	,009478	,004961	,009703			,006082	
36	GREAT LAKES TRANS.	,000109	,005182	,000165	,000167	,000391	,001836			,000620	
37	RIVER AND CANAL TRANS.	,000457	,027308	,001260	,000405	,002102	,015439			,003040	
38	LOCAL WATER TRANS.		,000802	,000293	,000037	,000080					
39	SERVICE TO WATER TRANS.										
40	OTHER TRANS. AND STORAGE	,108310	,815681	,441092	,429594	,333913	3,980566			17,580498	
41	COMMUNICATIONS	,684388	,114831	,466476	,321848	1,506102	,156762				
42	UTILITIES	,136978	3,182974	,254364	,088482	,256102	1,258321				
43	WHOLESALE/RETAIL	,864398	,535434	2,046884	1,357329	2,877937	1,071056			4,687994	
44	FINANCE INS. AND R.E.	,559587	,200460	1,358777	2,225673	1,182449	,700720			,006357	
45	SERVICES	5,719279	,721747	4,570059	3,661868	4,665007	2,505674			7,160693	
46	GOVERNMENT ENTERPRISE	,199310	7,386552	,715975	,705747	,411359	,066045				
47	NONCOMPETITIVE IMPORTS										
48	COMPETITIVE IMPORTS										
49	DUMMY INDUSTRIES										
50	MISCELLANEOUS INDUSTRIES										
51	INVENTORY VALUE ADJ.										
52	HOUSEHOLD SECTOR										
53	COLUMN SUM	9,992017	16,717168	11,586998	12,305098	17,852559	16,710969			44,955955	
54	LABOR OUTPUT RATIO	43,071319	17,207470	98,876446	20,030434	67,256720	49,143167				
55	EMP. MULTIPLIER (DIRECT)	,231988	,971506	,117187	,614620	,265142	,340047				

		51	52
1	LIVESTOCK AND PRODUCTS	*********	,163175
2	OTHER AGRICULTURAL PROD.	*********	,444006
3	FOREST AND FISH PRODUCTS	*********	,063973
4	IRON ORES MINING	*********	*********
5	NONFERROUS ORES MINING	*********	*********
6	CRUDE OIL AND NATURAL GAS	*********	*********
7	OTHER MINING	*********	,008005
8	CONSTRUCTION	*********	*********
9	ORDNANCE AND ACCESSORIES	*********	,015125
10	FOOD PRODUCTS AND TOBACCO	*********	2,024237
11	TEXTILE AND APPAREL	*********	1,594817
12	LUMBER AND WOOD PRODUCTS	*********	,335568
13	PAPER AND PRODUCTS	*********	,074649
14	PRINTING AND PUBLISHING	*********	,310097
15	CHEMICALS AND PRODUCTS	*********	,016209
16	OTHER CHEMICAL PRODUCTS	*********	,236589
17	PETROLEUM REFINING	*********	,110018
18	RUBBER AND PLASTICS	*********	,117969
19	LEATHER AND PRODUCTS	*********	,382801
20	GLASS AND PRODUCTS	*********	,023081
21	STONE AND CLAY PRODUCTS	*********	,016414
22	PRIMARY IRON AND STEEL	*********	,000161
23	RIMARY NONFERROUS METALS	*********	,000451
24	HTNG,PLMG,AND STRL, METAL	*********	,004033
25	OTHER FABRICATED METALS	*********	,063791
26	ENGINES AND TURBINES	*********	,006263
27	MACHINERY AND EQUIPMENT	*********	,009182
28	OFFICE MACHINES	*********	,025229
29	OTHER ELECTRICAL EQPT.	*********	,554521
30	SHIPBUILDING AND REPAIR	*********	*********
31	OTHER TRANSPORT EQPT.	*********	,686173
32	INSTRUMENTS	*********	,106301
33	MISCELLANEOUS MFG.	*********	,321360
34	DEEPSEA FOREIGN	*********	,008174
35	DEEPSEA DOMESTIC	*********	,014301
36	GREAT LAKES TRANS.	*********	,000899
37	RIVER AND CANAL TRANS.	*********	,003697
38	LOCAL WATER TRANS.	*********	,001580
39	SERVICE TO WATER TRANS.	*********	,004249
40	OTHER TRANS. AND STORAGE	*********	1,010659
41	COMMUNICATIONS	*********	,536370
42	UTILITIES	*********	,381033
43	WHOLESALE/RETAIL	*********	17,183872
44	FINANCE INS. AND R.E.	*********	3,059971
45	SERVICES	*********	7,995737
46	GOVERNMENT ENTERPRISE	*********	,107733
47	NONCOMPETITIVE IMPORTS	*********	*********
48	COMPETITIVE IMPORTS	*********	*********
49	DUMMY INDUSTRIES	*********	*********
50	MISCELLANEOUS INDUSTRIES	*********	*********
51	INVENTORY VALUE ADJ.	*********	*********
52	HOUSEHOLD SECTOR	*********	*********
53	COLUMN SUM	*********	38,082479
54	LABOR OUTPUT RATIO	*********	*********
55	EMP. MULTIPLIER (DIRECT)	**********	**********

TABLE B4. DIRECT, INDIRECT, AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	1,365467	,140307	,154943	,049691	,062048	,062261	,077586	,085450	,086413	,393481
2	OTHER AGRICULTURAL PROD.	,445836	1,118572	,223591	,041960	,052065	,052392	,065103	,073120	,072241	,262305
3	FOREST AND FISH PRODUCTS	,034535	,061452	1,036352	,006879	,008793	,008448	,010569	,016559	,012075	,031239
4	IRON ORES MINING	,001758	,001953	,001656	1,058817	,007242	,002242	,003692	,005218	,007078	,002132
5	NONFERROUS ORES MINING	,001593	,001926	,001414	,024869	1,155178	,001575	,003640	,005061	,005996	,001743
6	CRUDE OIL AND NATURAL GAS	,039679	,049014	,033593	,025853	,031592	1,052904	,043814	,045573	,038123	,036009
7	OTHER MINING	,012119	,017621	,009174	,014987	,016985	,009145	1,104025	,028435	,014386	,012064
8	CONSTRUCTION	,057705	,058880	,039701	,053120	,050183	,074433	,055009	1,001632	,052396	,051066
9	ORDNANCE AND ACCESSORIES	,001860	,001919	,001792	,001472	,001889	,001800	,002235	,002725	1,001123	,001926
10	FOOD PRODUCTS AND TOBACCO	,401785	,226246	,235629	,156809	,197927	,194912	,247478	,272539	,277820	1,468898
11	TEXTILE AND APPAREL	,102179	,105825	,136670	,074589	,090881	,088451	,122222	,133822	,135022	,105912
12	LUMBER AND WOOD PRODUCTS	,027799	,030714	,029394	,022122	,032804	,023927	,033411	,101802	,044424	,031537
13	PAPER AND PRODUCTS	,053335	,047845	,077481	,032599	,040327	,038809	,054996	,064587	,068455	,094817
14	PRINTING AND PUBLISHING	,048319	,048535	,042431	,036030	,042120	,042227	,052688	,060742	,060604	,058056
15	CHEMICALS AND PRODUCTS	,079926	,143484	,058021	,049156	,076979	,044721	,067862	,054687	,080079	,069336
16	OTHER CHEMICAL PRODUCTS	,032083	,030832	,027719	,021713	,026815	,026596	,032906	,051234	,037827	,034454
17	PETROLEUM REFINING	,075026	,095384	,063497	,042707	,053610	,047847	,077701	,065622	,067948	,065794
18	RUBBER AND PLASTICS	,044720	,048469	,040600	,038476	,042575	,035778	,055718	,061300	,066898	,056172
19	LEATHER AND PRODUCTS	,012454	,012146	,011789	,008815	,011065	,010861	,013935	,015393	,015632	,012402
20	GLASS AND PRODUCTS	,008312	,006206	,005988	,004578	,005588	,005544	,006801	,011413	,009619	,019990
21	STONE AND CLAY PRODUCTS	,009565	,010709	,007579	,008581	,011158	,016191	,034365	,086532	,013378	,009316
22	PRIMARY IRON AND STEEL	,031174	,032258	,030154	,059780	,075744	,042251	,064560	,099708	,137248	,039106
23	PRIMARY NONFERROUS METALS	,019531	,021093	,018039	,021646	,024957	,020565	,028408	,074629	,088897	,022343
24	MTNG.PLMG,AND STRL. METAL	,007132	,007350	,005354	,006709	,007113	,011997	,008621	,897997	,009045	,006706
25	OTHER FABRICATED METALS	,041938	,037631	,045923	,030228	,040988	,035114	,050726	,073225	,088892	,068145
26	ENGINES AND TURBINES	,002365	,002581	,003204	,005028	,009927	,005901	,010147	,004642	,005626	,002444
27	MACHINERY AND EQUIPMENT	,026363	,035258	,021358	,039162	,084851	,037461	,060862	,046807	,070522	,028647
28	OFFICE MACHINES	,005368	,005527	,004796	,004254	,005051	,005400	,006089	,016948	,010322	,005485
29	OTHER ELECTRICAL EQPT.	,042980	,044464	,039477	,034332	,042876	,053662	,052866	,088845	,130417	,043328
30	SHIPBUILDING AND REPAIR	,000497	,000545	,000640	,002279	,001808	,000660	,000630	,000983	,000817	,000549
31	OTHER TRANSPORT EQPT.	,064316	,064975	,065255	,052212	,062337	,058038	,074543	,083738	,259728	,065858
32	INSTRUMENTS	,010808	,011025	,010029	,008635	,010591	,010673	,012385	,018287	,035688	,011609
33	MISCELLANEOUS MFG.	,017773	,018038	,017877	,013433	,016757	,016093	,020557	,025374	,023999	,018531
34	DEEPSEA FOREIGN	,004100	,004421	,009153	,055437	,040124	,009186	,005716	,005056	,005273	,004898
35	DEEPSEA DOMESTIC	,003024	,003695	,002508	,001783	,002043	,002103	,002998	,003397	,002867	,002825
36	GREAT LAKES TRANS.	,000475	,000466	,000328	,000402	,000427	,000341	,000517	,000792	,000692	,000395
37	RIVER AND CANAL TRANS.	,001065	,001099	,000898	,000789	,000987	,000823	,001168	,001554	,001488	,001681
38	LOCAL WATER TRANS.	,000519	,000585	,000624	,001641	,001311	,000528	,000960	,000628	,000576	,000621
39	SERVICE TO WATER TRANS.	,001083	,001247	,001364	,004846	,003716	,001277	,001224	,001285	,001191	,001123
40	OTHER TRANS. AND STORAGE	,121910	,100955	,090063	,075787	,088781	,078646	,103611	,139513	,122498	,129764
41	COMMUNICATIONS	,049612	,048591	,041268	,034956	,042350	,040929	,051970	,061340	,067714	,051712
42	UTILITIES	,086929	,090220	,073931	,094728	,107060	,082355	,126448	,104780	,108849	,093094
43	WHOLESALE/RETAIL	,409919	,391401	,340373	,253529	,322518	,309092	,399188	,503931	,455564	,401804
44	FINANCE INS. AND R.E.	,429494	,463533	,377844	,357142	,382519	,506177	,470673	,471642	,461440	,407068
45	SERVICES	,348568	,364282	,295042	,266879	,297724	,296606	,382291	,446981	,426307	,376796
46	GOVERNMENT ENTERPRISE	,039168	,039414	,033658	,034337	,039510	,035830	,046890	,047665	,047731	,041282
47	NONCOMPETITIVE IMPORTS	,033520	,031511	,037948	,026706	,031096	,027940	,035348	,040019	,039676	,048474
48	COMPETITIVE IMPORTS	,054463	,057214	,152519	,379488	,275166	,106444	,077096	,058437	,068659	,063169
49	DUMMY INDUSTRIES	,035729	,035857	,036240	,032541	,040702	,042096	,045325	,054723	,064711	,041412
50	MISCELLANEOUS INDUSTRIES	,006163	,006219	,005937	,004512	,005708	,005611	,007192	,007848	,007963	,006263
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1,461603	1,474797	1,407972	1,070037	1,353589	1,330530	1,705552	1,861207	1,888421	1,485289
53	GROSS MULT. (INDUCED)	6,233647	5,654291	5,408792	4,747063	5,436027	5,015384	6,020544	6,754627	6,880269	6,289062
54	DOMESTIC MULT. (INDUCED)	6,145664	5,565566	5,218325	4,340868	5,129766	4,881000	5,908101	6,656171	6,771935	6,177419

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,098450	,084489	,079357	,085278	,077740	,089705	,059557	,080381	,108666	,081149
2	OTHER AGRICULTURAL PROD.	,119220	,084851	,067323	,071836	,066626	,077079	,050136	,068932	,087586	,068167
3	FOREST AND FISH PRODUCTS	,019930	,073375	,014836	,012072	,011192	,011945	,008099	,011381	,014059	,012000
4	IRON ORES MINING	,002004	,004016	,002450	,002182	,005585	,003043	,001993	,002932	,002323	,002054
5	NONFERROUS ORES MINING	,001881	,002511	,002134	,002084	,007811	,003008	,001732	,003062	,002028	,002536
6	CRUDE OIL AND NATURAL GAS	,037779	,037684	,039729	,037420	,083273	,044055	,500340	,046133	,037356	,039007
7	OTHER MINING	,012956	,012770	,022041	,012797	,055199	,020106	,013283	,022170	,012607	,029093
8	CONSTRUCTION	,051624	,051808	,054938	,056190	,058796	,055021	,070300	,053989	,051115	,057759
9	ORDNANCE AND ACCESSORIES	,002280	,003287	,002241	,002611	,002744	,002364	,001696	,002471	,002348	,002295
10	FOOD PRODUCTS AND TOBACCO	,267099	,252116	,254411	,272468	,249929	,288342	,188039	,256323	,343594	,259982
11	TEXTILE AND APPAREL	1,861085	,172214	,140681	,136995	,114056	,121901	,083574	,195072	,265976	,124436
12	LUMBER AND WOOD PRODUCTS	,032630	1,325230	,118466	,045966	,033239	,033534	,023659	,036111	,047296	,055230
13	PAPER AND PRODUCTS	,076452	,071664	1,379652	,282655	,076099	,103783	,046914	,101924	,092595	,137331
14	PRINTING AND PUBLISHING	,056258	,053609	,064603	1,185422	,052911	,068845	,042213	,055887	,058748	,055973
15	CHEMICALS AND PRODUCTS	,094010	,065275	,103664	,079645	1,291753	,224745	,068754	,272281	,087763	,082007
16	OTHER CHEMICAL PRODUCTS	,037408	,044626	,035949	,037213	,053635	1,090164	,030172	,044636	,048009	,041589
17	PETROLEUM REFINING	,067114	,067898	,070518	,066561	,160501	,081192	1,122086	,084235	,066584	,064962
18	RUBBER AND PLASTICS	,174820	,078938	,085171	,061867	,092424	,113431	,037945	1,231906	,161561	,078568
19	LEATHER AND PRODUCTS	,019231	,014705	,013905	,015301	,013397	,014459	,010470	,016129	1,250097	,014597
20	GLASS AND PRODUCTS	,010258	,012113	,007409	,007530	,007715	,021804	,005448	,009779	,008826	1,076797
21	STONE AND CLAY PRODUCTS	,011008	,018200	,012514	,010206	,015098	,013532	,015063	,014503	,010561	,030550
22	PRIMARY IRON AND STEEL	,035416	,076814	,043850	,039573	,054987	,050417	,036237	,046148	,042059	,036392
23	RIMARY NONFERROUS METALS	,023227	,033437	,026349	,027300	,049732	,033547	,022172	,031779	,025784	,034372
24	MTNG,PLMG,AND STRL, METAL	,006964	,008945	,007383	,007376	,007972	,007514	,009806	,007848	,007057	,007846
25	OTHER FABRICATED METALS	,043867	,085663	,057800	,055406	,058129	,087309	,036883	,058841	,065397	,042278
26	ENGINES AND TURBINES	,002687	,002904	,002780	,002716	,003367	,002899	,003960	,002937	,002760	,002844
27	MACHINERY AND EQUIPMENT	,032334	,035015	,035958	,028485	,048186	,032206	,031930	,040716	,033537	,030663
28	OFFICE MACHINES	,006283	,007424	,006207	,006571	,006154	,006754	,005098	,006287	,006389	,006341
29	OTHER ELECTRICAL EQPT.	,050986	,052106	,048646	,053158	,049962	,051720	,045048	,050934	,052390	,053001
30	SHIPBUILDING AND REPAIR	,000598	,000904	,000671	,000536	,000782	,000609	,001223	,000750	,000579	,000645
31	OTHER TRANSPORT EQPT.	,077724	,077676	,072519	,079804	,072303	,077179	,056377	,079015	,079360	,081828
32	INSTRUMENTS	,014769	,015366	,014738	,024089	,013192	,018289	,010878	,014114	,017136	,015191
33	MISCELLANEOUS MFG.	,036215	,023809	,021781	,024681	,021022	,023670	,015025	,026892	,033744	,023511
34	DEEPSEA FOREIGN	,005866	,012810	,006303	,004101	,006596	,004851	,009205	,005568	,004901	,007008
35	DEEPSEA DOMESTIC	,002801	,003178	,003113	,002735	,004999	,003242	,013864	,003492	,003030	,002694
36	GREAT LAKES TRANS.	,000356	,000516	,000830	,000473	,000634	,000484	,000380	,000497	,000449	,000606
37	RIVER AND CANAL TRANS.	,001342	,001975	,002167	,001325	,002860	,001760	,003270	,001950	,001281	,001488
38	LOCAL WATER TRANS.	,000645	,001014	,000819	,000544	,000888	,000614	,001729	,000668	,000572	,000608
39	SERVICE TO WATER TRANS.	,001204	,001848	,001332	,001057	,001751	,001224	,003748	,001337	,001177	,001283
40	OTHER TRANS. AND STORAGE	,118192	,125105	,144574	,123542	,128133	,124507	,117075	,124129	,120363	,129954
41	COMMUNICATIONS	,058632	,055521	,054580	,068637	,053528	,061965	,041125	,057084	,060078	,056400
42	UTILITIES	,108753	,103641	,116567	,106855	,135721	,105807	,096757	,115387	,106068	,140502
43	WHOLESALE/RETAIL	,454656	,431591	,413563	,441791	,394419	,425803	,304786	,424016	,469232	,429133
44	FINANCE INS. AND R,E.	,462697	,437342	,427476	,503964	,442470	,468682	,435019	,443545	,469987	,453644
45	SERVICES	,398022	,382779	,378505	,436613	,383116	,528979	,310567	,399709	,416274	,398599
46	GOVERNMENT ENTERPRISE	,047964	,044746	,046690	,060343	,049828	,047610	,038766	,046702	,049089	,051020
47	NONCOMPETITIVE IMPORTS	,040972	,037344	,035530	,038650	,037161	,040306	,028698	,046460	,041913	,037449
48	COMPETITIVE IMPORTS	,075688	,103138	,126289	,056430	,088998	,060750	,107767	,070238	,068905	,075221
49	DUMMY INDUSTRIES	,048742	,045695	,056659	,058711	,048769	,061559	,037298	,051986	,049018	,049557
50	MISCELLANEOUS INDUSTRIES	,007585	,007229	,006981	,007788	,006801	,007216	,005367	,007191	,007700	,007506
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1,798794	1,714433	1,655501	1,846895	1,612959	1,711268	1,272679	1,705318	1,826126	1,780144
53	GROSS MULT. (INDUCED)	7,017478	6,461347	6,387953	6,594447	6,315145	6,530798	5,486830	6,481776	6,822055	6,273808
54	DOMESTIC MULT. (INDUCED)	6,900817	6,320864	6,226134	6,499367	6,188986	6,429742	5,350365	6,365078	6,711237	6,161138

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	,080968	,078805	,071572	,083006	,081110	,142274	,082978	,083160	,082982	,090053
2	OTHER AGRICULTURAL PROD.	,068130	,065742	,059599	,069310	,067763	,118229	,069195	,069409	,069370	,075102
3	FOREST AND FISH PRODUCTS	,011142	,010688	,009920	,011505	,011204	,018789	,011221	,011397	,011664	,012549
4	IRON ORES MINING	,004306	,004353	,004483	,018774	,017131	,012258	,010778	,006138	,005346	,009463
5	NONFERROUS ORES MINING	,003912	,008972	,007850	,010408	,009094	,009531	,005946	,006508	,007212	,006957
6	CRUDE OIL AND NATURAL GAS	,044141	,038430	,033907	,037554	,036823	,059421	,037170	,035395	,036086	,038713
7	OTHER MINING	,112043	,043408	,013049	,019815	,019476	,022148	,015665	,013106	,013309	,015236
8	CONSTRUCTION	,061423	,059672	,048080	,055411	,053087	,081950	,052696	,052128	,051755	,055943
9	ORDNANCE AND ACCESSORIES	,002304	,002521	,002276	,003826	,003385	,012340	,003887	,003919	,007748	,008489
10	FOOD PRODUCTS AND TOBACCO	,258979	,253814	,231183	,266666	,260588	,458045	,266425	,266739	,266299	,289[illegible]
11	TEXTILE AND APPAREL	,134364	,114601	,103146	,122961	,122936	,210589	,124043	,124152	,126292	,134,9[illegible]
12	LUMBER AND WOOD PRODUCTS	,036634	,033321	,034050	,040987	,039136	,053353	,035196	,037805	,044149	,046573
13	PAPER AND PRODUCTS	,088333	,053553	,052785	,064957	,072865	,094247	,057528	,070144	,073361	,059222
14	PRINTING AND PUBLISHING	,055892	,056968	,054418	,059420	,063421	,093979	,057807	,069205	,059589	,060909
15	CHEMICALS AND PRODUCTS	,075235	,061487	,058983	,053378	,060554	,075216	,049751	,053139	,061213	,049323
16	OTHER CHEMICAL PRODUCTS	,035979	,033785	,030360	,044921	,042819	,060755	,036788	,038808	,038538	,040511
17	PETROLEUM REFINING	,076506	,065231	,057130	,065550	,064235	,105937	,066038	,062679	,063707	,068279
18	RUBBER AND PLASTICS	,069691	,046816	,057802	,052467	,062114	,083638	,062469	,066999	,078409	,053961
19	LEATHER AND PRODUCTS	,014959	,014079	,012834	,014871	,014891	,025995	,015200	,015063	,015298	,016299
20	GLASS AND PRODUCTS	,007621	,007254	,006592	,012762	,008545	,013524	,008107	,010124	,019336	,010788
21	STONE AND CLAY PRODUCTS	1,138422	,016044	,012282	,016000	,015389	,028725	,020596	,017907	,018358	,019480
22	PRIMARY IRON AND STEEL	,060779	1,287934	,074895	,372652	,338971	,240508	,212745	,119285	,102520	,186224
23	PRIMARY NONFERROUS METALS	,030137	,078032	1,501706	,153590	,132487	,143384	,085758	,099800	,109502	,104651
24	HTNG,PLMG,AND STRL, METAL	,009309	,010958	,007425	1,033767	,013087	,017455	,018453	,022532	,009752	,067801
25	OTHER FABRICATED METALS	,055633	,068980	,056209	,106896	1,094488	,119009	,089486	,098349	,090135	,086208
26	ENGINES AND TURBINES	,004839	,004188	,003995	,006843	,004858	1,088287	,021576	,004928	,006711	,060422
27	MACHINERY AND EQUIPMENT	,054086	,073018	,058613	,083307	,076625	,209211	1,196123	,075160	,055607	,145123
28	OFFICE MACHINES	,006843	,006731	,005939	,022537	,009657	,012337	,010338	1,121716	,016878	,009521
29	OTHER ELECTRICAL EQPT.	,056716	,067305	,068209	,081430	,064739	,156290	,099598	,301274	1,286680	,083515
30	SHIPBUILDING AND REPAIR	,000735	,001083	,000933	,004690	,000979	,004919	,001385	,000701	,000652	1,008104
31	OTHER TRANSPORT EQPT.	,077870	,082692	,071041	,094200	,097740	,238902	,100620	,105201	,100409	,109388
32	INSTRUMENTS	,013654	,015551	,012953	,020962	,016850	,026215	,018255	,025869	,025003	,028749
33	MISCELLANEOUS MFG.	,025855	,021820	,021109	,022892	,023865	,037440	,022996	,025474	,024683	,024022
34	DEEPSEA FOREIGN	,005431	,011032	,014378	,006822	,007004	,008286	,005800	,005179	,005507	,005346
35	DEEPSEA DOMESTIC	,003317	,003136	,002475	,002931	,002802	,004419	,002770	,002606	,002660	,002864
36	GREAT LAKES TRANS.	,002627	,004435	,000499	,001504	,001394	,001168	,000943	,000634	,000615	,000859
37	RIVER AND CANAL TRANS.	,002285	,003690	,001684	,002005	,001931	,002243	,001511	,001291	,001323	,001540
38	LOCAL WATER TRANS.	,000673	,000929	,000765	,000661	,000648	,000893	,000581	,000532	,000549	,000585
39	SERVICE TO WATER TRANS.	,001369	,001864	,001802	,001359	,001340	,001866	,001220	,001117	,001155	,001209
40	OTHER TRANS. AND STORAGE	,167192	,154393	,136444	,138322	,129247	,184184	,118967	,118168	,115306	,128098
41	COMMUNICATIONS	,059109	,054911	,048373	,061604	,057584	,095971	,060737	,062213	,062657	,064780
42	UTILITIES	,140937	,131301	,118326	,116555	,114439	,170573	,108175	,103562	,107018	,115828
43	WHOLESALE/RETAIL	,426586	,417674	,389213	,449553	,426137	,738941	,446582	,435192	,444989	,479866
44	FINANCE INS. AND R,E.	,464730	,425354	,383552	,460305	,444121	,752891	,462291	,475888	,459848	,484567
45	SERVICES	,401133	,389403	,337356	,410051	,395491	,657382	,403830	,411211	,413784	,426394
46	GOVERNMENT ENTERPRISE	,052773	,049126	,044120	,048249	,046656	,074461	,046468	,046315	,046520	,049537
47	NONCOMPETITIVE IMPORTS	,037849	,036732	,036772	,038128	,037442	,066475	,038650	,038088	,040197	,041207
48	COMPETITIVE IMPORTS	,068032	,127654	,204628	,084789	,091252	,116663	,092898	,088448	,087848	,086001
49	DUMMY INDUSTRIES	,048530	,077289	,101214	,070420	,061909	,088597	,060208	,059273	,060209	,060779
50	MISCELLANEOUS INDUSTRIES	,007471	,007131	,006227	,007570	,007449	,013317	,007652	,007581	,007643	,008367
51	INVENTORY VALUE ADJ.										
52	HOUSEHOLD SECTOR	1,771698	1,691044	1,476635	1,795153	1,766595	3,158167	1,814709	1,797877	1,812434	1,984191
53	GROSS MULT. (INDUCED)	6,439183	6,434937	6,229792	6,823493	6,594374	10,211396	6,640866	6,790591	6,648753	6,989676
54	DOMESTIC MULT. (INDUCED)	6,333302	6,270551	5,988392	6,700576	6,465681	10,028258	6,509319	6,672055	6,520708	6,882468

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	,081964	,081038	,078088	,044328	,073716	,064790	,077972	,080789	,077765	,082156
2	OTHER AGRICULTURAL PROD,	,069048	,068800	,067636	,037669	,062554	,054463	,065571	,067530	,068119	,069930
3	FOREST AND FISH PRODUCTS	,011596	,011155	,012291	,006006	,009875	,008624	,010390	,010652	,010481	,011009
4	IRON ORES MINING	,008969	,004126	,004275	,002160	,002961	,002458	,003040	,002667	,002696	,002199
5	NONFERROUS ORES MINING	,006040	,006307	,005853	,001984	,002698	,002248	,002767	,002434	,002455	,001716
6	CRUDE OIL AND NATURAL GAS	,036288	,035055	,034839	,030287	,044211	,037523	,045748	,042062	,042760	,054387
7	OTHER MINING	,014670	,012660	,013105	,006718	,010202	,008474	,010284	,009787	,011467	,010343
8	CONSTRUCTION	,052113	,050415	,048599	,039156	,059045	,048422	,058985	,053883	,067299	,079838
9	ORDNANCE AND ACCESSORIES	,011711	,005032	,002989	,001500	,002332	,002018	,002446	,002423	,002339	,002323
,0	FOOD PRODUCTS AND TOBACCO	,262504	,259785	,248832	,141140	,235346	,207065	,249153	,258828	,248347	,262783
,1	TEXTILE AND APPAREL	,148874	,138468	,168266	,077418	,122369	,106655	,128742	,129300	,124418	,121426
,2	LUMBER AND WOOD PRODUCTS	,043126	,036184	,058097	,017186	,027528	,023844	,028816	,028938	,028894	,030395
,3	PAPER AND PRODUCTS	,060911	,085171	,119233	,031107	,048800	,042227	,051256	,050792	,049553	,052878
,4	PRINTING AND PUBLISHING	,058548	,057866	,059378	,031523	,050231	,043405	,052682	,052690	,052808	,055928
,5	CHEMICALS AND PRODUCTS	,054343	,079103	,069324	,025107	,039336	,033792	,040899	,040308	,040934	,043539
,6	OTHER CHEMICAL PRODUCTS	,039411	,041072	,040698	,023666	,036644	,031647	,038346	,037569	,036993	,035104
,7	PETROLEUM REFINING	,064290	,062291	,062169	,059153	,084995	,072064	,087989	,079756	,079957	,104970
,8	RUBBER AND PLASTICS	,077513	,078971	,129146	,027802	,043309	,037492	,045184	,044776	,043293	,050564
,9	LEATHER AND PRODUCTS	,014884	,015219	,021678	,007913	,013200	,011636	,013990	,014563	,013908	,014506
,0	GLASS AND PRODUCTS	,015485	,014511	,011442	,006453	,009473	,007921	,009685	,009203	,009052	,007924
,1	STONE AND CLAY PRODUCTS	,015060	,012527	,013239	,006951	,010327	,008758	,010632	,009969	,010850	,011572
,2	PRIMARY IRON AND STEEL	,176271	,078007	,081493	,041705	,056895	,047170	,058386	,050991	,051528	,041511
,3	RIMARY NONFERROUS METALS	,089180	,092613	,090479	,029473	,039589	,032895	,040546	,035289	,035544	,023185
,4	HTNG,PLMG,AND STRL, METAL	,011978	,008450	,007677	,007123	,010068	,008291	,010186	,009017	,010207	,009425
,5	OTHER FABRICATED METALS	,139439	,085496	,075072	,043557	,060500	,050065	,062541	,055825	,055729	,041491
,6	ENGINES AND TURBINES	,013646	,003378	,002810	,004984	,006528	,005502	,006693	,005769	,005679	,004253
,7	MACHINERY AND EQUIPMENT	,095822	,049828	,033434	,027044	,037067	,031354	,038284	,033675	,034072	,027086
,8	OFFICE MACHINES	,016810	,009644	,009556	,003719	,005896	,005095	,006162	,006138	,006118	,006579
,9	OTHER ELECTRICAL EQPT,	,109589	,134838	,069095	,031291	,049725	,043419	,051991	,053753	,050488	,054308
,0	SHIPBUILDING AND REPAIR	,001972	,000814	,000635	,036496	,043474	,034849	,043973	,033383	,033553	,000581
,1	OTHER TRANSPORT EQPT,	1,409794	,092082	,080982	,047132	,075827	,066041	,079785	,080508	,077606	,093130
,2	INSTRUMENTS	,025208	1,098297	,015080	,011922	,017199	,014210	,017884	,016426	,016311	,013457
,3	MISCELLANEOUS MFG,	,023507	,026380	1,088615	,012737	,020386	,017706	,021521	,021669	,020898	,021295
,4	DEEPSEA FOREIGN	,005381	,005354	,006830	1,002325	,004347	,003611	,003629	,003528	,004115	,003686
,5	DEEPSEA DOMESTIC	,002751	,002549	,002593	,002332	1,024248	,003007	,003391	,003375	,003124	,003924
,6	GREAT LAKES TRANS,	,000849	,000537	,000530	,000320	,000379	1,001074	,000391	,000365	,000378	,000368
,7	RIVER AND CANAL TRANS,	,001476	,001264	,001249	,000856	,001222	,000915	1,209197	,001063	,001340	,001361
,8	LOCAL WATER TRANS,	,000565	,000529	,000585	,025282	,003649	,000461	,091135	1,000531	,000543	,000625
,9	SERVICE TO WATER TRANS,	,001173	,001112	,001231	,079700	,209570	,031053	,036518	,006201	1,010958	,001261
,0	OTHER TRANS, AND STORAGE	,127155	,109532	,115100	,100922	,152852	,136486	,155391	,116164	,117839	1,201635
41	COMMUNICATIONS	,060055	,060909	,056453	,035346	,054900	,047520	,057341	,055792	,055155	,063318
42	UTILITIES	,106537	,100807	,098954	,056323	,090088	,076715	,092881	,092246	,101168	,100948
43	WHOLESALE/RETAIL	,437399	,432384	,428059	,238805	,374938	,327252	,394992	,401667	,389222	,428626
44	FINANCE INS, AND R,E,	,447724	,445823	,430989	,270870	,433703	,377288	,455701	,454589	,443950	,474700
45	SERVICES	,414222	,409565	,392804	,228640	,362615	,314371	,380276	,379613	,372280	,399872
46	GOVERNMENT ENTERPRISE	,046475	,044757	,044728	,040159	,073414	,043031	,052807	,045463	,180475	,073999
47	NONCOMPETITIVE IMPORTS	,039129	,037101	,056465	,101098	,129910	,106706	,132576	,109769	,111324	,046205
48	COMPETITIVE IMPORTS	,079589	,087969	,119460	,399175	,040373	,107364	,041669	,039644	,039568	,043546
49	DUMMY INDUSTRIES	,060540	,059022	,054169	,028136	,042103	,035808	,043738	,041510	,041536	,044428
50	MISCELLANEOUS INDUSTRIES	,007523	,007390	,007020	,004048	,006810	,006019	,007230	,007573	,007202	,007519
51	INVENTORY VALUE ADJ,	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1,784156	1,752523	1,664875	,959992	1,615089	1,427486	1,714549	1,796049	1,708033	1,783227
53	GROSS MULT, (INDUCED)	6,883263	6,394712	6,306195	4,488342	6,112516	5,257687	6,345969	5,986504	6,089088	6,121034
54	DOMESTIC MULT, (INDUCED)	6,764545	6,269641	6,130271	3,988069	5,942233	5,043617	6,171724	5,837091	5,858196	6,031284

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	,071648	,067877	,076162	,074547	,084493	,087730	,000000	,000000	,142118	,089897
2	OTHER AGRICULTURAL PROD.	,059740	,060773	,063742	,065417	,071882	,095826	,000000	,000000	,112610	,074410
3	FOREST AND FISH PRODUCTS	,009484	,009363	,010921	,010541	,011377	,012961	,000000	,000000	,018424	,011569
4	IRON ORES MINING	,001518	,001807	,001606	,001540	,002132	,002177	,000000	,000000	,003369	,001604
5	NONFERROUS ORES MINING	,001420	,001576	,001426	,001441	,001848	,001953	,000000	,000000	,003099	,001410
6	CRUDE OIL AND NATURAL GAS	,029781	,119122	,034406	,029990	,036666	,046559	,000000	,000000	,039860	,033432
7	OTHER MINING	,008091	,042854	,008863	,008693	,010501	,023100	,000000	,000000	,011689	,008497
8	CONSTRUCTION	,065336	,098041	,048365	,087229	,059018	,155808	,000000	,000000	,057701	,043735
9	ORDNANCE AND ACCESSORIES	,002002	,001858	,002283	,001836	,002444	,002310	,000000	,000000	,005385	,002341
10	FOOD PRODUCTS AND TOBACCO	,229898	,216672	,243858	,206497	,268483	,277148	,000000	,000000	,486014	,289820
11	TEXTILE AND APPAREL	,103691	,099305	,110026	,093367	,124179	,125340	,000000	,000000	,123258	,130984
12	LUMBER AND WOOD PRODUCTS	,026225	,027486	,028534	,025925	,030962	,036651	,000000	,000000	,035299	,029744
13	PAPER AND PRODUCTS	,045928	,043175	,059686	,043342	,072500	,054711	,000000	,000000	,136364	,050102
14	PRINTING AND PUBLISHING	,054663	,045517	,055976	,050149	,135760	,060439	,000000	,000000	,174210	,054230
15	CHEMICALS AND PRODUCTS	,034076	,039331	,039172	,035181	,049466	,054419	,000000	,000000	,058267	,039392
16	OTHER CHEMICAL PRODUCTS	,030346	,029046	,033079	,028188	,047456	,038835	,000000	,000000	,039782	,036167
17	PETROLEUM REFINING	,052818	,061853	,061161	,052259	,064490	,075316	,000000	,000000	,073772	,060010
18	RUBBER AND PLASTICS	,038379	,037631	,044392	,035314	,054538	,048882	,000000	,000000	,057744	,043587
19	LEATHER AND PRODUCTS	,012936	,012082	,013607	,011507	,016635	,015200	,000000	,000000	,016975	,016331
20	GLASS AND PRODUCTS	,006355	,006035	,007368	,005849	,008640	,007895	,000000	,000000	,010595	,007448
21	STONE AND CLAY PRODUCTS	,009333	,012998	,009374	,010891	,011818	,017721	,000000	,000000	,010751	,008194
22	PRIMARY IRON AND STEEL	,028370	,033493	,029863	,028252	,039865	,040382	,000000	,000000	,064196	,029864
23	RIMARY NONFERROUS METALS	,019602	,020415	,019129	,018581	,025096	,026185	,000000	,000000	,044759	,018967
24	MTNG,PLMG,AND STRL, METAL	,007671	,010937	,007401	,009859	,007693	,016307	,000000	,000000	,010303	,005945
25	OTHER FABRICATED METALS	,033469	,033936	,036470	,031177	,035342	,042877	,000000	,000000	,065251	,037067
26	ENGINES AND TURBINES	,002231	,002977	,002442	,002130	,003561	,003797	,000000	,000000	,004226	,002465
27	MACHINERY AND EQUIPMENT	,019525	,023677	,022898	,020748	,032284	,027120	,000000	,000000	,036471	,021129
28	OFFICE MACHINES	,005733	,005605	,006637	,007319	,009500	,007529	,000000	,000000	,008406	,006140
29	OTHER ELECTRICAL EQPT.	,059793	,046830	,048423	,042789	,061435	,055072	,000000	,000000	,070385	,052132
30	SHIPBUILDING AND REPAIR	,000403	,000568	,000447	,000428	,000515	,000859	,000000	,000000	,001132	,000448
31	OTHER TRANSPORT EQPT.	,067878	,063982	,071165	,061635	,089697	,081424	,000000	,000000	,088400	,084366
32	INSTRUMENTS	,011872	,010732	,013411	,010890	,021628	,013855	,000000	,000000	,031729	,012944
33	MISCELLANEOUS MFG.	,019271	,017515	,021196	,017202	,030114	,022168	,000000	,000000	,052126	,022498
34	DEEPSEA FOREIGN	,002818	,004303	,003074	,002698	,003517	,008439	,000000	,000000	,006290	,003267
35	DEEPSEA DOMESTIC	,002148	,002746	,002383	,002306	,002654	,003118	,000000	,000000	,003137	,002450
36	GREAT LAKES TRANS.	,000275	,000570	,000295	,000272	,000370	,000464	,000000	,000000	,000493	,000298
37	RIVER AND CANAL TRANS.	,000879	,002167	,000986	,000828	,001149	,001747	,000000	,000000	,001469	,000999
38	LOCAL WATER TRANS.	,000388	,000584	,000431	,000387	,000482	,000691	,000000	,000000	,000634	,000451
39	SERVICE TO WATER TRANS.	,000799	,001079	,000874	,000809	,000983	,001490	,000000	,000000	,001300	,000931
40	OTHER TRANS. AND STORAGE	,084381	,110822	,095452	,084771	,107188	,174612	,000000	,000000	,431239	,091864
41	COMMUNICATIONS	1,063138	,046991	,059418	,050131	,090624	,058760	,000000	,000000	,058802	,054020
42	UTILITIES	,087068	1,319024	,099797	,077602	,110304	,183907	,000000	,000000	,095659	,093065
43	WHOLESALE/RETAIL	,354088	,338725	1,376281	,325731	,428260	,427710	,000000	,000000	,439945	,431721
44	FINANCE INS. AND R.E.	,400750	,387605	,458188	1,456669	,496759	,483194	,000000	,000000	,427654	,458657
45	SERVICES	,403006	,321536	,398021	,345340	1,445514	,418329	,000000	,000000	,482251	,383552
46	GOVERNMENT ENTERPRISE	,041414	,222040	,055501	,049433	,054906	1,059656	,000000	,000000	,053051	,041994
47	NONCOMPETITIVE IMPORTS	,038138	,034481	,033898	,029554	,037986	,059033	1,000000	,000000	,040474	,040631
48	COMPETITIVE IMPORTS	,031468	,043989	,034345	,029878	,041313	,042784	,000000	1,000000	,123844	,033497
49	DUMMY INDUSTRIES	,046442	,037940	,048652	,040229	,060310	,045242	,000000	,000000	1,047034	,035527
50	MISCELLANEOUS INDUSTRIES	,006664	,006270	,006845	,005900	,007566	,007822	,000000	,000000	,006696	1,008621
51	INVENTORY VALUE ADJ.	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000	,000000
52	HOUSEHOLD SECTOR	1,580408	1,487010	1,623307	1,399237	1,794358	1,854943	,000000	,000000	1,587912	2,044373
53	GROSS MULT, (INDUCED)	5,313756	5,672950	5,531236	5,032489	6,226259	6,410496	1,000000	1,000000	6,902556	6,072788
54	DOMESTIC MULT, (INDUCED)	5,244150	5,594480	5,462993	4,973056	6,146960	6,308679	,000000	,000000	6,738238	5,978660

		51	52
1	LIVESTOCK AND PRODUCTS	------	,098568
2	OTHER AGRICULTURAL PROD.	------	,081588
3	FOREST AND FISH PRODUCTS	------	,012685
4	IRON ORES MINING	------	,001759
5	NONFERROUS ORES MINING	------	,001546
6	CRUDE OIL AND NATURAL GAS	------	,036657
7	OTHER MINING	------	,009317
8	CONSTRUCTION	------	,047954
9	ORDNANCE AND ACCESSORIES	------	,002567
10	FOOD PRODUCTS AND TOBACCO	------	,317777
11	TEXTILE AND APPAREL	------	,143620
12	LUMBER AND WOOD PRODUCTS	------	,052613
13	PAPER AND PRODUCTS	------	,054935
14	PRINTING AND PUBLISHING	------	,059461
15	CHEMICALS AND PRODUCTS	------	,043191
16	OTHER CHEMICAL PRODUCTS	------	,039656
17	PETROLEUM REFINING	------	,065799
18	RUBBER AND PLASTICS	------	,047791
19	LEATHER AND PRODUCTS	------	,017907
20	GLASS AND PRODUCTS	------	,008166
21	STONE AND CLAY PRODUCTS	------	,008985
22	PRIMARY IRON AND STEEL	------	,032745
23	PRIMARY NONFERROUS METALS	------	,020796
24	HTNG,PLMG,AND STRL, METAL	------	,006519
25	OTHER FABRICATED METALS	------	,040643
26	ENGINES AND TURBINES	------	,002705
27	MACHINERY AND EQUIPMENT	------	,023168
28	OFFICE MACHINES	------	,006732
29	OTHER ELECTRICAL EQPT.	------	,057161
30	SHIPBUILDING AND REPAIR	------	,000491
31	OTHER TRANSPORT EQPT.	------	,092505
32	INSTRUMENTS	------	,014192
33	MISCELLANEOUS MFG.	------	,024668
34	DEEPSEA FOREIGN	------	,003582
35	DEEPSEA DOMESTIC	------	,002687
36	GREAT LAKES TRANS.	------	,000327
37	RIVER AND CANAL TRANS.	------	,001096
38	LOCAL WATER TRANS.	------	,000494
39	SERVICE TO WATER TRANS.	------	,001021
40	OTHER TRANS. AND STORAGE	------	,100725
41	COMMUNICATIONS	------	,059231
42	UTILITIES	------	,102043
43	WHOLESALE/RETAIL	------	,473367
44	FINANCE INS. AND R,E.	------	,502901
45	SERVICES	------	,420551
46	GOVERNMENT ENTERPRISE	------	,046045
47	NONCOMPETITIVE IMPORTS	------	,044550
48	COMPETITIVE IMPORTS	------	,037790
49	DUMMY INDUSTRIES	------	,038954
50	MISCELLANEOUS INDUSTRIES	------	,009452
51	INVENTORY VALUE ADJ.	1,000000	------
52	HOUSEHOLD SECTOR	------	2,241585
53	GROSS MULT. (INDUCED)	1,000000	5,541269
54	DOMESTIC MULT. (INDUCED)	1,000000	5,458929

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	77,414966	7,954708	8,784487	2,817202	3,517783	3,529862	4,398704	4,844567	4,899147	22,308348
2	OTHER AGRICULTURAL PROD.	33,164410	83,207346	16,632262	3,121295	3,872996	3,897263	4,842824	5,439160	5,373813	19,512110
3	FOREST AND FISH PRODUCTS	3,757466	4,234023	71,404436	,473962	,603060	,582088	,728175	1,140924	,831965	2,152059
4	IRON ORES MINING	,025814	,028673	,024308	15,544941	,106316	,032911	,054201	,076613	,103914	,031296
5	NONFERROUS ORES MINING	,052078	,062937	,046202	,812795	37,754610	,051465	,118982	,165409	,195972	,056958
6	CRUDE OIL AND NATURAL GAS	,728085	,899378	,616412	,474379	,579684	19,319987	,803953	,836238	,699529	,660731
7	OTHER MINING	,478461	,695684	,362212	,591698	,670496	,361036	43,588154	1,122634	,567983	,476293
8	CONSTRUCTION	2,226534	2,271848	1,531851	2,049588	1,936285	2,871945	2,145655	40,576629	2,021663	1,970345
9	ORDNANCE AND ACCESSORIES	,054967	,056705	,052952	,043498	,055812	,053188	,066043	,080538	31,948231	,056906
10	FOOD PRODUCTS AND TOBACCO	7,726198	4,350635	4,531068	3,015395	3,806068	3,748094	4,758930	5,240847	5,342401	28,246468
11	TEXTILE AND APPAREL	5,069900	5,250787	6,781242	3,700947	4,505330	4,388725	6,064403	6,600239	6,699471	5,255112
12	LUMBER AND WOOD PRODUCTS	1,367361	1,510720	1,445794	1,088097	1,613513	1,176891	1,643394	5,007302	2,185073	1,551203
13	PAPER AND PRODUCTS	1,591113	1,427317	2,311426	,972486	1,203038	1,157766	1,640660	1,926780	2,042199	2,828611
14	PRINTING AND PUBLISHING	2,289025	2,299237	2,010112	1,706873	1,995361	2,000415	2,496003	2,877535	2,871016	2,750318
15	CHEMICALS AND PRODUCTS	1,617009	2,902859	1,173844	,994476	1,557382	,904769	1,372921	1,106377	1,620087	1,402746
16	OTHER CHEMICAL PRODUCTS	,650318	,624955	,561847	,440107	,543534	,539085	,667000	1,038503	,766752	,698381
17	PETROLEUM REFINING	,509535	,647800	,431236	,290046	,364088	,324950	,528115	,581500	,461465	,446839
18	RUBBER AND PLASTICS	1,451656	1,573330	1,317921	1,248945	1,382021	1,161106	1,808659	1,989844	2,170258	1,823383
19	LEATHER AND PRODUCTS	,819890	,799648	,776149	,580554	,728446	,715063	,917420	1,013366	1,029143	,816481
20	GLASS AND PRODUCTS	,380517	,284079	,274137	,209589	,255794	,253809	,311340	,322442	,440339	,915083
21	STONE AND CLAY PRODUCTS	,404268	,452601	,320328	,362660	,471577	,684274	1,452374	3,657153	,565387	,393724
22	PRIMARY IRON AND STEEL	,900831	,932162	,871359	1,727466	2,188773	1,220925	1,865591	2,881275	3,966059	1,130045
23	RIMARY NONFERROUS METALS	,379388	,409739	,350401	,420469	,484784	,399471	,551830	1,449665	1,726821	,434022
24	HTNG,PLMG,AND STRL, METAL	,275472	,283898	,206786	,259146	,274749	,463391	,332988	3,785142	,349377	,259024
25	OTHER FABRICATED METALS	1,466249	1,315681	1,605564	1,056843	1,433024	1,227656	1,773511	2,560109	3,106488	2,382520
26	ENGINES AND TURBINES	,064550	,070452	,087459	,137231	,270926	,161041	,276941	,126687	,153541	,066692
27	MACHINERY AND EQUIPMENT	1,000848	1,338540	,810844	1,486721	3,221251	1,422153	2,310560	1,776979	2,677289	1,087541
28	OFFICE MACHINES	,165187	,170099	,147611	,130926	,155455	,166381	,187404	,521575	,317647	,168800
29	OTHER ELECTRICAL EQPT.	1,750947	1,811375	1,608208	1,398643	1,746681	2,186103	2,155686	3,619401	5,312981	1,765090
30	SHIPBUILDING AND REPAIR	,027202	,029829	,035037	,124780	,098962	,036113	,034471	,053793	,044739	,030037
31	OTHER TRANSPORT EQPT.	1,638544	1,655347	1,662485	1,330179	1,588148	1,478602	1,899113	2,133372	6,616989	1,677828
32	INSTRUMENTS	,443458	,452363	,411506	,354292	,434535	,437925	,508156	,750329	1,463937	,476326
33	MISCELLANEOUS MFG.	,813696	,825857	,818456	,615036	,767207	,736810	,941161	1,161743	1,098757	,848416
34	DEEPSEA FOREIGN	,069010	,074417	,154071	,933138	,675380	,154620	,096216	,085102	,088762	,082436
35	DEEPSEA DOMESTIC	,090840	,110997	,075335	,053546	,061355	,063171	,089824	,102049	,086124	,084848
36	GREAT LAKES TRANS.	,011636	,011412	,008042	,009849	,010464	,008350	,012647	,019382	,016941	,009666
37	RIVER AND CANAL TRANS.	,036555	,037714	,030828	,027065	,033881	,028238	,039819	,053340	,051047	,057684
38	LOCAL WATER TRANS.	,031098	,035054	,037374	,098307	,078502	,031622	,033563	,037630	,034501	,037202
39	SERVICE TO WATER TRANS.	,070631	,081320	,088950	,316040	,242313	,083257	,079810	,083795	,077648	,073219
40	OTHER TRANS. AND STORAGE	7,285421	6,033110	5,382195	4,529092	5,305578	4,699854	6,191840	8,337382	7,320526	7,754787
41	COMMUNICATIONS	2,136841	2,092882	1,777460	1,505622	1,824058	1,762845	2,238406	2,641989	2,916517	2,227284
42	UTILITIES	1,499824	1,552459	1,272167	1,630027	1,842236	1,417123	2,175854	1,803001	1,873019	1,601907
43	WHOLESALE/RETAIL	40,531332	38,700295	33,654895	25,068091	31,889428	30,561952	39,470331	49,826904	45,044555	39,728944
44	FINANCE INS. AND R.E.	8,602953	9,284759	7,568386	7,153705	7,662017	10,138942	9,427787	9,447187	9,242844	8,153750
45	SERVICES	23,443564	24,500436	19,843542	17,949392	20,023971	19,948722	25,711627	30,062473	28,672042	25,342062
46	GOVERNMENT ENTERPRISE	1,924855	1,936915	1,654064	1,687428	1,941632	1,760784	2,304320	2,342413	2,345663	2,028749
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	236,436510	215,282380	201,553260	110,542370	151,778510	128,350740	181,115370	211,507320	197,440570	191,862270
54	LABOR OUTPUT RATIO	56,694856	74,387087	68,899771	14,681425	32,682927	18,349234	39,481123	38,584431	29,550960	19,229703
55	EMP. MULTIPLIER (INDUCED)	4,170334	2,894083	2,925311	7,529403	4,643969	6,994883	4,587392	5,481675	6,681359	9,977391

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	5,581601	4,790109	4,499148	4,834820	4,407448	5,085832	3,376573	4,557202	6,160789	4,600749
2	OTHER AGRICULTURAL PROD.	8,868440	6,311788	5,007949	5,343674	4,956134	5,733707	3,729452	5,127650	6,515289	5,078743
3	FOREST AND FISH PRODUCTS	1,373149	5,055496	1,022220	,831729	,771125	,823019	,558007	,784155	,968662	,826765
4	IRON ORES MINING	,029425	,058954	,035962	,032042	,081993	,044671	,029298	,043043	,034105	,030158
5	NONFERROUS ORES MINING	,061461	,082056	,069749	,068108	,255298	,098315	,056628	,100084	,066296	,082887
6	CRUDE OIL AND NATURAL GAS	,693219	,691477	,728993	,686622	1,528005	,808379	9,180838	,846512	,685445	,715758
7	OTHER MINING	,511502	,504158	,870197	,505228	2,179325	,793798	,524412	,875285	,497752	1,148635
8	CONSTRUCTION	1,991894	1,998976	2,119735	2,168067	2,268598	2,122938	2,712481	2,083129	1,972236	2,228598
9	ORDNANCE AND ACCESSORIES	,067375	,097128	,066223	,077148	,081088	,069867	,050124	,073022	,069371	,067821
10	FOOD PRODUCTS AND TOBACCO	5,136228	4,848106	4,892253	5,239478	4,806062	5,544733	3,615928	4,929018	6,607209	4,999369
11	TEXTILE AND APPAREL	92,342873	8,544855	6,980254	6,797403	5,659227	6,048461	4,246004	9,679031	13,197147	6,174248
12	LUMBER AND WOOD PRODUCTS	1,604951	65,183597	5,826935	2,260923	1,634928	1,649419	1,163706	1,776173	2,326318	2,716568
13	PAPER AND PRODUCTS	2,280733	2,137901	41,158054	8,432209	2,270283	3,096079	1,399559	3,040614	2,762304	4,096878
14	PRINTING AND PUBLISHING	2,669116	2,539641	3,060438	56,197232	2,506578	3,261387	1,999771	2,647539	2,783884	2,651638
15	CHEMICALS AND PRODUCTS	1,901939	1,320592	2,097251	1,611307	26,133739	4,546872	1,390982	5,508582	1,775561	1,659101
16	OTHER CHEMICAL PRODUCTS	,758252	,904559	,728685	,754295	1,087162	22,097357	,611872	,904760	,973138	,842991
17	PETROLEUM REFINING	,455805	,461129	,477566	,452048	1,090040	,551410	7,620618	,572082	,452205	,441187
18	RUBBER AND PLASTICS	5,674791	2,562389	2,764711	2,008236	3,000139	3,682072	1,231718	39,988607	5,244401	2,958381
19	LEATHER AND PRODUCTS	1,266040	,968085	,915416	1,007330	,882018	,951877	,689322	1,051850	82,300015	,960985
20	GLASS AND PRODUCTS	,469568	,554503	,339173	,344689	,353175	,998135	,249378	,447670	,404033	49,293010
21	STONE AND CLAY PRODUCTS	,465222	,769200	,528901	,431327	,638089	,571899	,637476	,612949	,446365	1,291159
22	PRIMARY IRON AND STEEL	1,023420	2,219709	1,267134	1,143536	1,588970	1,456896	1,047138	1,333548	1,215393	1,051612
23	RIMARY NONFERROUS METALS	,451186	,649515	,511836	,538299	,966047	,651649	,430689	,617312	,500882	,667668
24	HTNG,PLMG,AND STRL, METAL	,269001	,345497	,285155	,284897	,307904	,290222	,378768	,303147	,272963	,303071
25	OTHER FABRICATED METALS	1,533699	2,994992	2,020847	1,937138	2,032322	3,052541	1,289510	2,097218	2,286445	1,478148
26	ENGINES AND TURBINES	,073329	,079250	,075877	,074134	,091884	,079112	,108088	,080166	,075327	,077628
27	MACHINERY AND EQUIPMENT	1,227503	1,329302	1,365094	1,081406	1,829311	1,222672	1,212168	1,545723	1,273288	1,164865
28	OFFICE MACHINES	,193355	,228479	,191012	,202220	,189388	,287863	,156879	,193478	,196619	,199151
29	OTHER ELECTRICAL EQPT.	2,077101	2,122689	1,981755	2,165582	2,035380	2,106974	1,835177	2,074972	2,134278	2,150152
30	SHIPBUILDING AND REPAIR	,032750	,049496	,036749	,029341	,042835	,033345	,066947	,041057	,031700	,033295
31	OTHER TRANSPORT EQPT.	1,980142	1,978929	1,847539	2,033148	1,842038	1,966254	1,436297	2,013029	2,021838	2,004782
32	INSTRUMENTS	,605959	,630451	,604706	,988360	,541285	,750383	,446313	,579888	,783181	,623298
33	MISCELLANEOUS MFG.	1,658071	1,090066	,997197	1,129999	,962464	1,083687	,715368	1,231199	1,544941	1,076427
34	DEEPSEA FOREIGN	,098738	,215620	,106097	,069033	,111023	,081657	,154948	,093726	,082492	,117982
35	DEEPSEA DOMESTIC	,084140	,095458	,093521	,082144	,150173	,097371	,416468	,104885	,091885	,088933
36	GREAT LAKES TRANS.	,008718	,012630	,020330	,011980	,015588	,011861	,009304	,012168	,010998	,014837
37	RIVER AND CANAL TRANS.	,046065	,067766	,074345	,045482	,098144	,060406	,112199	,066914	,043991	,051052
38	LOCAL WATER TRANS.	,038640	,060744	,049037	,032552	,053209	,036744	,103937	,040810	,034284	,036390
39	SERVICE TO WATER TRANS.	,070523	,120485	,086845	,068939	,114167	,079812	,244444	,087195	,076766	,083643
40	OTHER TRANS. AND STORAGE	7,063196	7,476335	8,639830	7,382938	7,657283	7,440615	6,996481	7,418023	7,192929	7,766133
41	COMMUNICATIONS	2,525377	2,391367	2,350816	2,956299	2,305532	2,668925	1,771287	2,458694	2,587624	2,429211
42	UTILITIES	1,871366	1,783406	2,005819	1,838699	2,335422	1,820673	1,664948	1,985522	1,825166	2,417681
43	WHOLESALE/RETAIL	44,954725	42,674168	40,891651	43,682719	38,998725	42,101868	30,136151	41,925200	46,395952	42,431135
44	FINANCE INS. AND R.E.	9,268018	8,760151	8,562537	10,094615	8,862868	9,387903	8,713628	8,864406	9,414036	9,086689
45	SERVICES	26,769640	25,744492	25,457024	29,365153	25,767102	35,577417	20,887723	26,883120	27,997211	26,808433
46	GOVERNMENT ENTERPRISE	2,357122	2,198965	2,294473	2,965469	2,448691	2,339694	1,905089	2,295070	2,412409	2,507298
47	NONCOMPETITIVE IMPORTS	-,------	-,------	-,------	-,------	-,------	-,------	-,------	-,------	-,------	-,-----0
48	COMPETITIVE IMPORTS	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0
49	DUMMY INDUSTRIES	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0
50	MISCELLANEOUS INDUSTRIES	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0
51	INVENTORY VALUE ADJ.	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0
52	HOUSEHOLD SECTOR	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0	-,-----0
53	COLUMN SUM	240,489370	215,704650	186,007040	210,239590	167,938070	183,186770	127,313370	189,983800	246,662830	197,197210
54	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,460757	65,834897	45,777427
55	EMP. MULTIPLIER (INDUCED)	4,846841	4,385434	6,235112	4,437946	8,300939	9,037447	18,746060	5,852722	3,746688	4,307739

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	4,590484	4,467859	4,057756	4,706000	4,598494	8,066180	4,704426	4,714755	4,704658	5,105516
2 OTHER AGRICULTURAL PROD.	5,067980	4,890323	4,433425	5,155734	5,040722	8,794708	5,147222	5,103165	5,160208	5,586653
3 FOREST AND FISH PRODUCTS	,767674	,736393	,683484	,792673	,771980	1,294544	,773108	,785285	,803651	,864608
4 IRON ORES MINING	,063219	,944798	,065812	,275633	,251511	,179961	,158237	,090112	,078488	,138926
5 NONFERROUS ORES MINING	,127855	,293234	2,871187	,340170	,297220	,311500	,194347	,212688	,235694	,227388
6 CRUDE OIL AND NATURAL GAS	,809956	,705160	,622169	,689087	,675678	1,090322	,682050	,649474	,662149	,710352
7 OTHER MINING	4,423576	1,713789	,515196	,782312	,768927	,874441	,618452	,517430	,525473	,601544
8 CONSTRUCTION	2,369988	2,302409	1,855127	2,138020	2,048340	3,161979	2,033232	2,011348	1,996929	2,158527
9 ORDNANCE AND ACCESSORIES	,068087	,074510	,067255	,113071	,100042	,364656	,114858	,115796	,228956	,258866
10 FOOD PRODUCTS AND TOBACCO	4,980097	4,880765	4,445575	5,127902	5,011031	8,808072	5,123268	5,129308	5,120858	5,566734
11 TEXTILE AND APPAREL	6,666843	5,686240	5,117885	6,081225	6,100796	10,448949	6,154733	6,160164	6,266305	6,678463
12 LUMBER AND WOOD PRODUCTS	1,801925	1,638936	1,674782	1,996317	1,924990	2,624249	1,731147	1,859515	2,171537	2,290786
13 PAPER AND PRODUCTS	2,635157	1,597605	1,574679	1,937813	2,173713	2,811603	1,710196	2,092550	2,188518	1,766732
14 PRINTING AND PUBLISHING	2,647765	2,698734	2,577962	2,814900	3,004448	4,452096	2,738486	3,278455	2,822923	2,885459
15 CHEMICALS AND PRODUCTS	1,522089	1,243961	1,193303	1,079911	1,225078	1,521703	1,006530	1,075059	1,238415	,997867
16 OTHER CHEMICAL PRODUCTS	,729285	,684821	,615394	,910540	,867981	1,231497	,745084	,706635	,781153	,821154
17 PETROLEUM REFINING	,519588	,443015	,387995	,445179	,436250	,719466	,448496	,425684	,432642	,463717
18 RUBBER AND PLASTICS	2,262214	1,519690	1,876301	1,703113	2,016262	3,714965	2,027800	2,174825	2,545215	1,751605
19 LEATHER AND PRODUCTS	,984812	,926879	,844894	,979058	,980326	1,711377	1,000078	,991697	1,004506	1,073034
20 GLASS AND PRODUCTS	,348863	,332079	,301749	,584192	,391189	,619094	,371104	,403429	,885167	,493844
21 STONE AND CLAY PRODUCTS	48,113957	,678081	,519070	,676219	,650394	1,214034	,870453	,756811	,775894	,823304
22 PRIMARY IRON AND STEEL	1,756324	37,217458	2,164256	10,768529	9,795238	6,949950	6,147708	3,446979	2,962527	5,301326
23 RIMARY NONFERROUS METALS	,585408	1,515769	29,170652	2,983478	2,573571	2,785230	1,665842	1,938618	2,128249	2,032851
24 HTNG,PLMG,AND STRL, METAL	,359554	,423260	,286788	39,929369	,505506	,674187	,712752	,870307	,376681	2,618833
25 OTHER FABRICATED METALS	1,945073	2,411697	1,965192	3,737362	38,265996	4,160862	3,128695	3,438513	3,151527	3,014036
26 ENGINES AND TURBINES	,132082	,114292	,109037	,186774	,132595	29,702268	,588866	,134582	,183151	1,049898
27 MACHINERY AND EQUIPMENT	2,053307	2,772046	2,225185	3,162032	2,908979	7,942437	45,409315	2,853347	2,111808	5,509423
28 OFFICE MACHINES	,210606	,207158	,182786	,693572	,297283	,379680	,310162	34,520839	,519426	,293024
29 OTHER ELECTRICAL EQPT.	2,310503	2,741895	2,778729	3,317516	2,637341	6,366974	4,057457	12,273367	52,417108	3,402274
30 SHIPBUILDING AND REPAIR	,040233	,059272	,051093	,256727	,053618	,269283	,075810	,038355	,035094	55,186738
31 OTHER TRANSPORT EQPT.	1,983875	2,106714	1,809881	2,399895	2,490095	6,086412	2,963452	2,680179	2,558083	2,786638
32 INSTRUMENTS	,560225	,638075	,531466	,860075	,691367	1,075584	,748891	1,001412	1,025855	,851325
33 MISCELLANEOUS MFG.	1,183753	,999017	,966449	1,048066	1,092651	1,714127	1,052032	1,166293	1,126434	1,099816
34 DEEPSEA FOREIGN	,091414	,185701	,242021	,114821	,117901	,139479	,098033	,087180	,092698	,089987
35 DEEPSEA DOMESTIC	,099638	,094212	,074357	,088048	,084157	,132737	,083204	,078295	,079897	,086029
36 GREAT LAKES TRANS.	,064322	,108571	,012228	,036811	,034119	,028587	,023892	,015521	,015007	,021022
37 RIVER AND CANAL TRANS.	,078419	,126640	,057801	,068817	,066265	,076965	,051048	,044310	,045401	,052842
38 LOCAL WATER TRANS.	,040295	,055641	,045830	,039577	,038782	,053501	,034708	,031883	,032896	,035062
39 SERVICE TO WATER TRANS.	,089261	,121583	,117533	,088651	,087387	,121659	,079592	,072815	,075300	,078819
40 OTHER TRANS. AND STORAGE	9,991510	9,226626	8,153979	8,266186	7,723881	11,006943	7,109516	7,061795	6,890739	7,655212
41 COMMUNICATIONS	2,545904	2,365108	2,083479	2,653348	2,480211	4,133600	2,616010	2,679616	2,698718	2,790182
42 UTILITIES	2,425164	2,259365	2,036084	2,005617	1,969199	2,935136	1,861417	1,782040	1,841507	1,993114
43 WHOLESALE/RETAIL	42,179334	41,298128	38,484013	44,450192	42,134939	73,063868	44,156447	45,007750	43,998946	47,447416
44 FINANCE INS. AND R.E.	9,308737	8,520020	7,682703	9,220099	8,895935	15,080737	9,259898	9,516222	9,210964	9,706090
45 SERVICES	26,978921	26,189938	22,689476	27,578710	26,599400	44,213390	27,160252	27,656734	27,829750	28,677845
46 GOVERNMENT ENTERPRISE	2,593433	2,414188	2,168195	2,371085	2,292844	3,659237	2,283562	2,276069	2,286120	2,434384
47 NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48 COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49 DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50 MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53 COLUMN SUM	201,108720	182,631650	162,390210	205,654820	193,304480	285,768250	199,648610	200,187130	204,322920	226,150440
54 LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	38,625100	34,962451	27,292691	37,963738	30,775019	40,738276	54,743099
55 EMP. MULTIPLIER (INDUCED)	4,758422	6,320087	8,359851	5,324383	5,528917	10,470505	5,258929	6,504858	5,015502	4,131122

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	4,646923	4,594448	4,427181	2,513197	4,179296	3,673284	4,420587	4,580347	4,408848	4,657797
2 OTHER AGRICULTURAL PROD.	5,136248	5,117838	5,031261	2,802107	4,653225	4,051376	4,877650	5,023372	5,067196	5,201889
3 FOREST AND FISH PRODUCTS	,798955	,768558	,846832	,413781	,680359	,594214	,715880	,733949	,722164	,758516
4 IRON ORES MINING	,131671	,060573	,062767	,031717	,043471	,036088	,044630	,039160	,039588	,032286
5 NONFERROUS ORES MINING	,197402	,206136	,191288	,064850	,088186	,073456	,090435	,079554	,080235	,056071
6 CRUDE OIL AND NATURAL GAS	,665860	,643225	,639266	,555743	,811240	,688520	,839440	,771807	,784609	,997969
7 OTHER MINING	,579195	,499832	,517398	,265237	,402796	,334554	,406007	,386404	,452715	,408338
8 CONSTRUCTION	2,010751	1,945253	1,875172	1,510827	2,278226	1,868338	2,275889	2,079864	2,596697	3,080494
9 ORDNANCE AND ACCESSORIES	,346066	,148689	,088342	,044318	,068908	,059636	,072274	,071605	,069111	,068647
10 FOOD PRODUCTS AND TOBACCO	5,047883	4,995587	4,784972	2,714082	4,525642	3,981795	4,791133	4,977185	4,775645	5,053242
11 TEXTILE AND APPAREL	7,386805	6,870481	8,348965	3,841298	6,071661	5,291964	6,387898	6,415556	6,173340	6,024872
12 LUMBER AND WOOD PRODUCTS	2,121232	1,779758	2,857613	,845337	1,353991	1,172785	1,417354	1,423363	1,421182	1,495035
13 PAPER AND PRODUCTS	1,817117	2,540849	3,556979	,927977	1,455821	1,259736	1,529086	1,515223	1,478276	1,577464
14 PRINTING AND PUBLISHING	2,773605	2,741286	2,812905	1,493368	2,379615	2,056215	2,495727	2,496092	2,463808	2,649498
15 CHEMICALS AND PRODUCTS	1,099427	1,600357	1,402502	,507937	,795824	,683655	,827437	,815489	,828153	,880853
16 OTHER CHEMICAL PRODUCTS	,798853	,832527	,824936	,479697	,742764	,641474	,777259	,761515	,749834	,711548
17 PETROLEUM REFINING	,436622	,423049	,422218	,401739	,577239	,489423	,597573	,541659	,543027	,712901
18 RUBBER AND PLASTICS	2,516121	2,563453	4,192167	,902463	1,405850	1,217009	1,466714	1,453478	1,404019	1,641341
19 LEATHER AND PRODUCTS	,979888	1,001916	1,427138	,520948	,869051	,766023	,921006	,958731	,915601	,955025
20 GLASS AND PRODUCTS	,708884	,664275	,523782	,295424	,433665	,362585	,443366	,421273	,414356	,362746
21 STONE AND CLAY PRODUCTS	,636498	,529433	,559534	,293780	,436466	,370161	,449367	,421316	,458543	,489088
22 PRIMARY IRON AND STEEL	5,093703	2,254160	2,354896	1,205136	1,644096	1,363069	1,687167	1,473484	1,489005	1,199531
23 RIMARY NONFERROUS METALS	1,732321	1,799008	1,757556	,572515	,769016	,638992	,787606	,685496	,690441	,450370
24 HTNG,PLMG,AND STRL, METAL	,462668	,326382	,296518	,275143	,388868	,320225	,393448	,348284	,394242	,364051
25 OTHER FABRICATED METALS	4,875122	2,989165	2,624684	1,522846	2,115215	1,750383	2,186576	1,951792	1,948419	1,450630
26 ENGINES AND TURBINES	,372427	,092181	,076695	,136019	,178167	,150156	,182678	,157453	,154990	,116088
27 MACHINERY AND EQUIPMENT	3,637765	1,891663	1,269267	1,026692	1,407201	1,190316	1,453402	1,278415	1,293504	1,028304
28 OFFICE MACHINES	,517316	,296798	,294072	,114458	,181441	,156801	,189632	,188896	,188266	,202468
29 OTHER ELECTRICAL EQPT.	4,464458	5,493060	2,814799	1,274753	2,025692	1,768812	2,118037	2,189785	2,056788	2,212428
30 SHIPBUILDING AND REPAIR	,107948	,044556	,034777	1,997890	2,379914	1,907715	2,407202	1,827513	1,836777	,831826
31 OTHER TRANSPORT EQPT.	35,916825	2,345948	2,063151	1,200770	1,931824	1,682497	2,032660	2,051076	1,977134	2,372638
32 INSTRUMENTS	1,034286	45,063232	,618746	,489150	,705691	,583050	,733774	,673965	,669235	,552159
33 MISCELLANEOUS MFG.	1,076254	1,207796	49,841067	,583163	,933363	,810671	,985320	,992082	,956777	,974980
34 DEEPSEA FOREIGN	,090574	,090124	,114963	16,871408	,073165	,050679	,061591	,059376	,069268	,062049
35 DEEPSEA DOMESTIC	,082640	,076571	,077891	,070037	30,767063	,090324	,101871	,101370	,093851	,117869
36 GREAT LAKES TRANS.	,020778	,013159	,012965	,007832	,009278	24,508392	,009569	,008944	,009249	,009015
37 RIVER AND CANAL TRANS.	,050645	,043374	,042853	,029385	,041926	,031384	41,494027	,036488	,045976	,046714
38 LOCAL WATER TRANS.	,033846	,031694	,035057	1,514206	5,009892	,027629	5,458217	59,923624	,032536	,037432
39 SERVICE TO WATER TRANS.	,076494	,072515	,080283	5,197655	13,667060	2,025087	2,381548	,404373	65,929502	,082222
40 OTHER TRANS. AND STORAGE	7,598837	6,545710	6,878457	6,007232	9,134507	8,156486	9,286240	6,942008	7,042102	71,810362
41 COMMUNICATIONS	2,586645	2,623420	2,431519	1,522595	2,364612	2,046755	2,469756	2,403052	2,375584	2,727183
42 UTILITIES	1,833239	1,734626	1,702743	,969184	1,550183	1,320067	1,598254	1,587314	1,740842	1,737059
43 WHOLESALE/RETAIL	43,248436	42,752609	42,324974	22,821186	37,072539	32,357504	39,055402	39,715376	38,484917	42,381032
44 FINANCE INS. AND R.E.	8,968108	8,930022	8,632888	5,425652	8,687251	7,557240	9,127881	9,105622	8,884503	9,508449
45 SERVICES	27,859230	27,545989	26,418681	15,377608	24,388263	21,143559	25,576109	25,531512	25,038323	26,894105
46 GOVERNMENT ENTERPRISE	2,283921	2,199502	2,198054	1,973557	3,607807	2,114661	2,595106	2,294178	8,869131	3,636551
47 NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48 COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49 DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50 MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53 COLUMN SUM	194,860490	196,990790	204,390770	109,611700	185,287330	143,424740	190,219780	197,857620	208,118310	207,821140
54 LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	16,852273	30,038673	24,482109	34,315366	59,891809	65,214887	59,760532
55 EMP. MULTIPLIER (INDUCED)	7,646595	4,801131	4,376862	6,511996	6,168293	5,858349	5,543283	3,303250	3,191270	3,477565

	41	42	43	44	45	46	47	48	49	50
1 LIVESTOCK AND PRODUCTS	4,062061	3,848276	4,318011	4,226450	4,790308	4,973867	*******	*******	8,057358	5,096673
2 OTHER AGRICULTURAL PROD.	4,443861	4,520728	4,741566	4,866190	5,347084	7,128210	*******	*******	8,376783	5,535155
3 FOREST AND FISH PRODUCTS	,653464	,645078	,752473	,726267	,783900	,893034	*******	*******	1,269342	,797113
4 IRON ORES MINING	,022287	,026525	,023579	,022614	,041302	,031966	*******	*******	,049458	,023551
5 NONFERROUS ORES MINING	,040420	,031518	,046592	,047092	,060410	,063821	*******	*******	,106297	,046080
6 CRUDE OIL AND NATURAL GAS	,546452	2,185799	,631317	,550288	,672790	,854313	*******	*******	,731401	,613459
7 OTHER MINING	,319426	1,691905	,349925	,343220	,414581	,912014	*******	*******	,461512	,335489
8 CONSTRUCTION	2,520941	3,782843	1,866133	3,305077	2,277163	6,011770	*******	*******	2,226390	1,687502
9 ORDNANCE AND ACCESSORIES	,059149	,054903	,067458	,054247	,072227	,068274	*******	*******	,159141	,069191
10 FOOD PRODUCTS AND TOBACCO	4,420874	4,366545	4,689308	3,970884	5,162846	5,329464	*******	*******	9,345907	5,973145
11 TEXTILE AND APPAREL	5,144931	4,927339	5,459243	4,632663	6,161486	6,219113	*******	*******	6,115772	6,499141
12 LUMBER AND WOOD PRODUCTS	1,289895	1,351965	1,403511	1,275142	1,522927	1,802747	*******	*******	1,736259	1,463004
13 PAPER AND PRODUCTS	1,370148	1,288017	1,780553	1,292962	2,102836	1,632144	*******	*******	4,068039	1,494655
14 PRINTING AND PUBLISHING	2,589540	2,196307	2,651772	2,375735	6,431372	2,863200	*******	*******	8,252880	2,569049
15 CHEMICALS AND PRODUCTS	,689397	,795705	,792506	,711756	1,000754	1,100970	*******	*******	1,178812	,796938
16 OTHER CHEMICAL PRODUCTS	,615116	,588760	,670508	,571362	,901925	,787168	*******	*******	,806380	,733102
17 PETROLEUM REFINING	,358713	,420075	,415375	,354918	,437983	,511508	*******	*******	,501021	,407557
18 RUBBER AND PLASTICS	1,245809	1,221524	1,441007	1,146330	1,770342	1,586742	*******	*******	1,874424	1,414857
19 LEATHER AND PRODUCTS	,851628	,795441	,895824	,757538	1,095144	1,000668	*******	*******	1,117516	1,075166
20 GLASS AND PRODUCTS	,290927	,276269	,337310	,267739	,395524	,361399	*******	*******	,489021	,340949
21 STONE AND CLAY PRODUCTS	,394447	,549336	,396173	,460303	,499483	,748973	*******	*******	,454364	,346325
22 PRIMARY IRON AND STEEL	,819809	,967856	,862940	,816411	1,151979	1,166909	*******	*******	1,855064	,862978
23 RIMARY NONFERROUS METALS	,380774	,396566	,371572	,360942	,487481	,508650	*******	*******	,869438	,368425
24 HTNG,PLMG,AND STRL, METAL	,296305	,422433	,285852	,380819	,297141	,629875	*******	*******	,397938	,229629
25 OTHER FABRICATED METALS	1,170153	1,186476	1,275071	1,090021	1,934878	1,499087	*******	*******	2,281352	1,295950
26 ENGINES AND TURBINES	,060888	,081263	,066641	,058143	,097176	,103620	*******	*******	,115392	,067279
27 MACHINERY AND EQUIPMENT	,741227	,898857	,869292	,787674	1,225640	1,029565	*******	*******	1,384585	,802154
28 OFFICE MACHINES	,176419	,172482	,204241	,225242	,292362	,231700	*******	*******	,258708	,188963
29 OTHER ELECTRICAL EQPT.	2,435870	1,907762	1,972649	1,743164	2,502762	2,243537	*******	*******	2,867365	2,123764
30 SHIPBUILDING AND REPAIR	,022073	,031072	,024494	,023405	,028186	,047029	*******	*******	,061996	,024531
31 OTHER TRANSPORT EQPT.	1,729305	1,630037	1,813034	1,570242	2,285168	2,074423	*******	*******	2,252143	2,149373
32 INSTRUMENTS	,487125	,440334	,550262	,446801	,887405	,568457	*******	*******	1,301834	,531074
33 MISCELLANEOUS MFG.	,882303	,801918	,970457	,787560	1,378715	1,014930	*******	*******	2,386531	1,030030
34 DEEPSEA FOREIGN	,047438	,072438	,051740	,045406	,059204	,142050	*******	*******	,105875	,054993
35 DEEPSEA DOMESTIC	,064517	,082483	,071590	,069280	,079716	,093663	*******	*******	,094219	,073603
36 GREAT LAKES TRANS.	,006726	,013963	,007220	,006650	,009049	,011358	*******	*******	,012005	,007306
37 RIVER AND CANAL TRANS.	,030148	,074348	,033834	,028404	,039428	,059940	*******	*******	,050418	,034293
38 LOCAL WATER TRANS.	,023210	,034977	,025819	,023202	,028890	,041361	*******	*******	,037979	,027008
39 SERVICE TO WATER TRANS.	,052123	,070374	,057005	,052730	,064083	,097190	*******	*******	,084758	,060734
40 OTHER TRANS. AND STORAGE	5,042630	6,622754	5,704241	5,065965	6,405609	10,434886	*******	*******	25,771059	5,489817
41 COMMUNICATIONS	45,790769	2,023950	2,559206	2,159197	3,903291	2,530852	*******	*******	2,532685	2,326712
42 UTILITIES	1,498215	22,697067	1,717261	1,335326	1,898047	3,164574	*******	*******	1,646046	1,601418
43 WHOLESALE/RETAIL	35,010937	33,491879	136,081790	32,207164	42,344848	42,290405	*******	*******	43,500178	42,686991
44 FINANCE INS. AND R.E.	8,027195	7,763893	9,177711	29,177720	9,950307	9,678593	*******	*******	8,566103	9,187093
45 SERVICES	27,104893	21,625443	26,769612	23,226428	97,220500	28,135403	*******	*******	32,434630	25,796440
46 GOVERNMENT ENTERPRISE	2,035200	10,911738	2,727472	2,429309	2,698257	52,074868	*******	*******	2,607105	2,063708
47 NONCOMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
48 COMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
49 DUMMY INDUSTRIES	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
50 MISCELLANEOUS INDUSTRIES	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
51 INVENTORY VALUE ADJ.	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
52 HOUSEHOLD SECTOR	*******	*******	*******	*******	*******	*******	*******	*******	*******	*******
53 COLUMN SUM	165,871740	149,767190	227,981150	136,136610	219,322490	204,754290	*******	*******	190,844460	136,002370
54 LABOR OUTPUT RATIO	43,071319	17,207474	98,876446	20,030434	67,256720	49,143167	*******	*******	*******	*******
55 EMP. MULTIPLIER (INDUCED)	3,851095	8,703615	2,305718	6,796488	3,260975	4,166485	*******	*******	*******	*******

		51	52
1	LIVESTOCK AND PRODUCTS	*********	5,588326
2	OTHER AGRICULTURAL PROD.	*********	6,069106
3	FOREST AND FISH PRODUCTS	*********	,874007
4	IRON ORES MINING	*********	,025823
5	NONFERROUS ORES MINING	*********	,050525
6	CRUDE OIL AND NATURAL GAS	*********	,672637
7	OTHER MINING	*********	,367852
8	CONSTRUCTION.	*********	1,850288
9	ORDNANCE AND ACCESSORIES	*********	,075866
10	FOOD PRODUCTS AND TOBACCO	*********	6,110761
11	TEXTILE AND APPAREL	*********	7,126084
12	LUMBER AND WOOD PRODUCTS	*********	1,604133
13	PAPER AND PRODUCTS	*********	1,638837
14	PRINTING AND PUBLISHING	*********	2,816874
15	CHEMICALS AND PRODUCTS	*********	,873815
16	OTHER CHEMICAL PRODUCTS	*********	,803821
17	PETROLEUM REFINING	*********	,446873
18	RUBBER AND PLASTICS	*********	1,551342
19	LEATHER AND PRODUCTS	*********	1,178882
20	GLASS AND PRODUCTS	*********	,373839
21	STONE AND CLAY PRODUCTS	*********	,379733
22	PRIMARY IRON AND STEEL	*********	,946226
23	RIMARY NONFERROUS METALS	*********	,403965
24	HTNG,PLMG,AND STRL, METAL	*********	,251780
25	OTHER FABRICATED METALS	*********	1,420964
26	ENGINES AND TURBINES	*********	,073769
27	MACHINERY AND EQUIPMENT	*********	,879534
28	OFFICE MACHINES	*********	,207191
29	OTHER ELECTRICAL EQPT.	*********	2,328634
30	SHIPBUILDING AND REPAIR	*********	,026897
31	OTHER TRANSPORT EQPT.	*********	2,356713
32	INSTRUMENTS	*********	,582305
33	MISCELLANEOUS MFG.	*********	1,129392
34	DEEPSEA FOREIGN	*********	,060298
35	DEEPSEA DOMESTIC	*********	,080703
36	GREAT LAKES TRANS.	*********	,008010
37	RIVER AND CANAL TRANS.	*********	,037601
38	LOCAL WATER TRANS.	*********	,029613
39	SERVICE TO WATER TRANS.	*********	,066593
40	OTHER TRANS. AND STORAGE	*********	6,019395
41	COMMUNICATIONS	*********	2,551159
42	UTILITIES	*********	1,755899
43	WHOLESALE/RETAIL	*********	46,804815
44	FINANCE INS. AND R.E.	*********	10,073331
45	SERVICES	*********	28,284907
46	GOVERNMENT ENTERPRISE	*********	2,262785
47	NONCOMPETITIVE IMPORTS	*********	*********
48	COMPETITIVE IMPORTS	*********	*********
49	DUMMY INDUSTRIES	*********	*********
50	MISCELLANEOUS INDUSTRIES	*********	*********
51	INVENTORY VALUE ADJ.	*********	*********
52	HOUSEHOLD SECTOR	*********	*********
53	COLUMN SUM	*********	149,121910
54	LABOR OUTPUT RATIO	*********	*********
55	EMP. MULTIPLIER (INDUCED)	**********	**********

1967 MarAd I-O Tables
(C Series)

TABLE C1, MARAD I-O TABLE OF U.S. ECONOMY, TRANSACTIONS 1967 (IN $ MILLION OF PRODUCERS' PRICE)
TABLE C2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT
TABLE C3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT
TABLE C4, DIRECT AND INDIRECT OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND
TABLE C5, DIRECT AND INDIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND
TABLE C6, DIRECT, INDIRECT, AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND
TABLE C7, DIRECT, INDIRECT, AND INDUCED EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND.

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	5610.3	1448.2	265.7	0.0	0.0	0.0	0.0	0.0	0.0	19777.1
2	OTHER AGRICULTURAL PROD.	8379.4	904.6	612.0	0.0	0.0	0.0	0.0	82.7	0.0	8304.9
3	FOREST AND FISH PRODUCTS	603.2	1334.8	78.9	0.0	0.0	0.0	0.0	180.0	0.0	422.6
4	IRON ORES MINING	0.0	0.0	0.0	91.9	4.4	0.0	1.5	0.0	0.0	0.0
5	NONFERROUS ORES MINING	0.0	0.0	0.0	33.2	217.7	0.0	7.4	0.0	0.0	0.0
6	CRUDE OIL AND NATURAL GAS	0.0	0.0	0.0	0.0	0.0	373.8	1.1	0.0	0.0	0.0
7	OTHER MINING	5.7	132.1	0.0	9.1	7.6	0.3	542.1	930.3	2.5	53.4
8	CONSTRUCTION	233.1	369.9	0.0	30.1	15.6	476.2	49.7	29.6	24.4	264.4
9	ORDNANCE AND ACCESSORIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	768.0	0.0
10	FOOD PRODUCTS AND TOBACCO	3694.3	0.0	67.8	0.0	0.0	0.0	0.0	0.0	0.0	16493.0
11	TEXTILE AND APPAREL	10.3	81.2	109.5	2.0	0.1	4.8	31.2	279.2	25.6	145.1
12	LUMBER AND WOOD PRODUCTS	2.7	107.3	12.7	3.6	10.8	0.0	23.9	5528.0	77.9	123.8
13	PAPER AND PRODUCTS	16.9	4.5	122.9	0.3	0.5	1.1	25.6	292.3	74.5	2685.8
14	PRINTING AND PUBLISHING	6.1	10.2	0.5	0.3	0.2	0.6	0.3	2.0	1.5	538.5
15	CHEMICALS AND PRODUCTS	75.1	2296.7	23.2	27.5	50.4	103.8	125.3	154.2	239.6	417.4
16	OTHER CHEMICAL PRODUCTS	53.7	0.0	2.5	0.0	0.0	8.9	0.1	1323.3	1.7	289.8
17	PETROLEUM REFINING	167.0	905.4	40.7	4.3	5.4	33.0	111.7	2025.8	26.2	220.1
18	RUBBER AND PLASTICS	36.5	164.7	2.5	14.5	8.6	34.1	64.2	748.6	98.6	905.1
19	LEATHER AND PRODUCTS	9.1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.5	1.6
20	GLASS AND PRODUCTS	5.6	0.0	0.0	0.0	0.0	0.0	0.0	254.8	1.5	1000.7
21	STONE AND CLAY PRODUCTS	2.2	24.6	0.6	0.9	2.8	83.0	130.7	6873.4	15.0	0.9
22	PRIMARY IRON AND STEEL	0.0	0.0	0.0	41.6	41.3	119.6	111.0	1761.2	523.4	13.1
23	PRIMARY NONFERROUS METALS	1.3	1.2	0.0	3.8	1.0	0.0	14.1	2364.1	298.9	5.3
24	HTNG,PLMG,AND STRL, METAL	0.0	0.0	0.0	0.2	0.1	48.4	6.2	9890.5	5.4	0.0
25	OTHER FABRICATED METALS	73.2	54.1	62.3	4.3	9.2	62.5	69.1	1985.0	266.9	2419.2
26	ENGINES AND TURBINES	0.0	0.0	4.7	4.0	8.8	48.6	39.0	91.8	5.7	0.0
27	MACHINERY AND EQUIPMENT	12.6	304.4	0.4	28.3	76.8	227.8	183.4	955.1	251.1	252.3
28	OFFICE MACHINES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	795.1	15.0	0.0
29	OTHER ELECTRICAL EQPT.	13.7	39.8	1.8	2.0	1.5	171.1	16.8	2508.2	526.8	6.4
30	SHIPBUILDING AND REPAIR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	OTHER TRANSPORT EQPT.	7.0	13.9	16.9	5.7	2.2	0.0	0.7	5.2	1313.5	4.2
32	INSTRUMENTS	0.0	0.0	0.2	0.2	0.4	9.3	0.0	303.6	178.1	13.7
33	MISCELLANEOUS MFG.	2.1	2.1	4.3	0.3	0.6	0.3	0.9	201.8	4.6	8.9
61	U.S. MERCHANT MARINE	29.3	44.5	1.9	3.2	0.3	4.0	4.3	91.9	2.3	152.0
62	FOREIGN SHIPS	8.4	21.5	27.5	86.3	52.4	95.9	12.1	0.0	3.5	104.0
39	SERVICE TO WATER TRANS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40	OTHER TRANS. AND STORAGE	652.5	385.7	37.4	13.6	12.5	46.1	52.2	2521.7	82.9	2370.2
41	COMMUNICATIONS	75.3	70.5	0.0	2.1	2.7	12.4	10.4	338.7	103.4	301.9
42	UTILITIES	96.7	204.5	2.7	48.8	40.6	172.1	186.6	73.7	52.6	645.9
43	WHOLESALE/RETAIL	1332.5	1527.0	76.1	18.2	27.7	174.7	134.4	8225.3	267.4	3342.7
44	FINANCE INS. AND R.E.	732.2	2375.3	110.8	142.1	73.9	2522.0	355.6	1358.3	75.0	1146.0
45	SERVICES	389.3	1380.2	6.2	63.9	25.1	264.6	214.2	5433.0	310.1	3879.5
46	GOVERNMENT ENTERPRISE	4.1	4.1	0.7	1.3	1.4	6.3	5.0	65.7	13.8	93.4
47	NONCOMPETITIVE IMPORTS	0.0	0.0	36.4	0.0	0.0	0.0	0.0	101.4	0.0	1318.1
48	COMPETITIVE IMPORTS	182.0	333.3	510.0	539.8	317.9	1076.1	203.2	0.0	59.5	1355.5
49	DUMMY INDUSTRIES	28.9	40.6	28.8	10.4	13.3	178.9	48.3	738.8	159.5	464.2
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	EMPLOYEE COMPENSATION	1210.7	2169.0	829.6	251.9	422.6	882.0	2155.4	36857.7	4097.1	13784.6
53	INDIRECT BUSINESS TAXES	768.0	937.0	73.0	49.0	55.9	735.0	137.0	580.0	73.0	6556.9
54	PROPERTY TYPE INCOME	6107.1	10847.0	1438.4	205.0	132.8	6993.6	1469.8	8137.6	689.0	7510.8
55	TOTAL	30637.7	28539.9	4615.4	1763.7	1640.0	15030.6	6544.9	103280.0	10734.0	97391.0
56	EMPLOYMENT	1737.0	2123.0	318.0	25.6	53.6	275.8	258.4	3985.0	317.2	1872.8
57	HOUSEHOLD SECTOR	5015.4	8926.7	1725.7	379.6	505.3	5239.0	3071.1	41927.4	4526.4	18463.8
58	VALUE ADDED	3070.4	5026.3	615.3	126.3	106.0	3371.6	691.1	3647.9	332.8	9388.5

	11	12	13	14	15	16	17	18	19	20
1 LIVESTOCK AND PRODUCTS	260.2	0.0	0.0	0.0	0.0	11.9	0.0	0.0	14.5	0.0
2 OTHER AGRICULTURAL PROD.	1177.6	123.3	0.0	0.0	36.2	58.1	0.0	0.0	0.0	0.0
3 FOREST AND FISH PRODUCTS	165.4	1001.5	0.0	0.0	12.5	2.7	0.0	0.3	0.0	0.0
4 IRON ORES MINING	0.0	0.0	0.0	0.0	47.1	0.0	0.0	0.0	0.0	0.0
5 NONFERROUS ORES MINING	0.0	0.0	0.0	0.0	70.7	0.0	0.0	0.0	0.0	0.0
6 CRUDE OIL AND NATURAL GAS	0.0	0.0	0.0	0.0	49.2	0.0	11556.1	0.0	0.0	0.0
7 OTHER MINING	20.1	7.7	153.0	0.7	738.7	57.7	73.3	58.7	2.1	48.3
8 CONSTRUCTION	90.9	93.7	145.2	78.6	161.0	60.3	963.4	102.6	7.7	31.7
9 ORDNANCE AND ACCESSORIES	0.0	16.2	0.0	4.4	11.0	0.0	0.0	2.4	0.0	0.0
10 FOOD PRODUCTS AND TOBACCO	46.8	6.1	134.8	0.0	193.5	382.9	30.8	56.4	262.4	0.0
11 TEXTILE AND APPAREL	20071.0	511.0	241.3	110.3	30.5	15.0	2.7	868.8	338.9	4.6
12 LUMBER AND WOOD PRODUCTS	28.0	4875.0	1202.3	10.8	55.3	6.6	1.5	55.9	48.5	55.8
13 PAPER AND PRODUCTS	382.2	210.3	5574.0	3385.9	346.1	455.4	159.8	647.8	96.5	225.8
14 PRINTING AND PUBLISHING	20.1	5.3	172.9	2434.0	4.6	28.7	2.7	9.7	3.1	0.8
15 CHEMICALS AND PRODUCTS	508.1	176.8	762.7	405.6	4407.0	1981.2	623.3	3443.7	60.1	87.5
16 OTHER CHEMICAL PRODUCTS	45.4	174.0	34.2	15.7	381.3	759.0	98.4	136.7	46.2	23.0
17 PETROLEUM REFINING	50.6	117.6	131.3	40.2	1800.1	99.2	1891.0	140.1	6.6	6.8
18 RUBBER AND PLASTICS	2972.2	425.1	549.2	160.6	770.3	749.3	62.0	3270.0	374.5	91.8
19 LEATHER AND PRODUCTS	94.5	6.6	2.4	1.4	1.1	0.2	0.6	29.1	1012.7	0.0
20 GLASS AND PRODUCTS	70.6	75.2	1.6	0.0	10.7	193.1	0.0	42.6	0.0	246.8
21 STONE AND CLAY PRODUCTS	28.8	124.4	32.9	0.0	60.6	31.6	58.1	65.7	1.8	63.6
22 PRIMARY IRON AND STEEL	0.1	391.5	34.6	10.3	184.3	12.9	8.4	47.7	0.0	0.0
23 PRIMARY NONFERROUS METALS	1.6	65.7	23.8	39.7	321.7	32.6	40.5	43.1	0.9	28.3
24 MTNG,PLMG,AND STRL. METAL	0.8	28.2	0.3	0.0	1.4	0.4	2.3	10.4	0.0	1.3
25 OTHER FABRICATED METALS	78.8	717.5	273.1	231.9	322.4	597.7	103.9	292.0	86.4	3.5
26 ENGINES AND TURBINES	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27 MACHINERY AND EQUIPMENT	167.0	116.2	162.6	33.8	336.7	20.7	90.8	196.1	24.2	15.7
28 OFFICE MACHINES	2.7	19.5	3.8	0.6	3.8	1.5	0.0	2.3	0.0	0.4
29 OTHER ELECTRICAL EQPT.	18.6	35.5	14.6	11.5	25.6	7.5	12.0	24.1	3.5	8.3
30 SHIPBUILDING AND REPAIR	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0
31 OTHER TRANSPORT EQPT.	4.3	28.4	0.0	1.2	17.9	2.9	2.8	66.1	0.5	14.2
32 INSTRUMENTS	45.5	40.5	33.6	185.0	14.6	55.3	17.8	19.7	14.3	7.2
33 MISCELLANEOUS MFG.	365.5	41.1	15.9	36.3	19.8	14.0	0.8	94.2	41.4	6.7
61 U.S. MERCHANT MARINE	14.2	26.2	33.3	2.8	57.6	13.2	344.6	34.0	2.2	1.9
62 FOREIGN SHIPS	53.8	142.2	36.9	0.2	35.5	6.1	89.0	14.3	3.0	11.1
39 SERVICE TO WATER TRANS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 OTHER TRANS. AND STORAGE	468.3	429.6	731.5	251.8	518.1	223.5	955.3	366.2	60.9	95.3
41 COMMUNICATIONS	145.5	72.5	75.6	250.3	76.0	69.1	24.6	92.6	20.3	13.1
42 UTILITIES	331.6	179.4	393.7	120.8	698.5	66.9	461.5	271.9	30.0	135.5
43 WHOLESALE/RETAIL	1423.9	776.2	686.4	549.8	543.4	470.0	302.5	699.8	233.0	117.9
44 FINANCE INS. AND R.E.	716.9	352.8	406.1	1099.4	643.1	527.5	879.5	427.0	107.7	92.2
45 SERVICES	741.6	477.6	566.8	1055.7	736.0	2275.8	801.8	741.4	142.5	121.6
46 GOVERNMENT ENTERPRISE	76.5	19.9	21.8	280.0	42.2	26.4	16.7	18.8	14.4	4.7
47 NONCOMPETITIVE IMPORTS	62.2	2.3	0.0	2.6	40.7	46.3	2.0	190.8	7.5	0.0
48 COMPETITIVE IMPORTS	824.7	791.0	1368.3	19.0	637.2	114.3	1018.1	320.4	82.2	94.8
49 DUMMY INDUSTRIES	264.4	103.3	332.7	315.6	178.3	263.2	49.8	220.7	31.4	36.3
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 EMPLOYEE COMPENSATION	11804.8	5835.4	5508.1	8223.5	4260.1	3103.4	2206.2	5992.0	1712.3	1413.8
53 INDIRECT BUSINESS TAXES	223.0	173.0	218.0	162.0	211.0	111.0	3044.2	941.0	25.0	33.0
54 PROPERTY TYPE INCOME	3530.0	2575.7	2685.0	2605.8	4069.0	2500.4	1579.1	2474.0	415.8	662.0
55 TOTAL	47483.0	21392.0	22764.0	22118.0	23182.0	15496.0	26975.0	22233.0	5330.0	3801.0
56 EMPLOYMENT	2356.0	1052.2	679.1	1047.8	469.0	314.1	183.2	721.7	350.9	174.0
57 HOUSEHOLD SECTOR	14084.0	7440.1	7180.9	9840.9	6795.1	4696.5	5250.0	7535.5	1971.3	1826.2
58 VALUE ADDED	1553.8	1144.0	1230.3	1144.4	1745.0	1076.1	3639.5	1573.7	181.8	282.5

	21	22	23	24	25	26	27	28	29	30
1 AGRICULTURE AND PRODUCTS	0.4	3.8	1.5	0.4	0.0	0.0	0.0	0.0	0.0	0.0
2 OTHER AGRICULTURAL PROD	0.5	3.8	1.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0
3 FORESTRY AND FISHERY PRODUCTS	0.3	0.0	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
4 IRON ORE MINING	0.7	1490.5	4.6	0.0	0.7	0.0	0.0	0.0	1.0	0.0
5 NONFERROUS ORES MINING	0.4	57.6	1052.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6 CRUDE OIL AND NATURAL GAS	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
7 OTHER MINING	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
8 CONSTRUCTION	98.8	291.4	89.5	40.2	70.6	31.9	164.6	0.0	0.0	0.0
9 ORDNANCE AND ACCESSORIES	0.0	2.1	0.1	12.4	18.7	23.8	53.2	0.0	0.0	45.0
10 FOOD PRODUCTS AND TOBACCO	6.1	0.7	8.0	0.0	1.6	0.0	6.1	1.3	0.0	0.0
11 TEXTILE AND APPAREL	60.6	21.9	21.7	12.3	49.8	2.1	87.3	11.2	37.2	3.6
12 LUMBER AND WOOD PRODUCTS	32.6	80.4	85.4	73.3	132.9	1.2	104.8	31.2	368.9	24.7
13 PAPER AND PRODUCTS	262.9	27.3	33.1	18.9	331.7	14.1	72.7	72.6	497.7	1.4
14 PRINTING AND PUBLISHING	3.4	3.9	13.1	1.5	151.3	0.3	12.0	94.5	44.3	0.2
15 CHEMICALS AND PRODUCTS	203.8	392.1	184.4	13.7	171.4	1.7	36.5	19.2	316.8	0.4
16 OTHER CHEMICAL PRODUCTS	12.8	14.2	12.9	110.3	194.8	4.3	52.4	29.6	110.6	4.9
17 PETROLEUM REFINING	104.1	116.2	48.3	33.7	64.3	15.4	177.7	18.0	99.8	6.4
18 RUBBER AND PLASTICS	179.2	33.7	213.5	26.2	291.2	7.6	499.6	119.0	992.9	4.2
19 LEATHER AND PRODUCTS	3.2	2.6	5.6	0.2	6.3	0.8	7.9	1.2	9.6	0.1
20 GLASS AND PRODUCTS	3.3	2.0	0.8	55.8	23.1	0.0	5.6	1.1	428.3	5.2
21 STONE AND CLAY PRODUCTS	1231.0	112.7	39.4	38.3	82.6	33.4	290.0	55.0	268.1	15.0
22 PRIMARY IRON AND STEEL	124.9	6017.0	339.6	3018.4	5645.3	384.2	4232.4	393.5	1442.2	191.3
23 PRIMARY NONFERROUS METALS	25.7	859.0	6723.0	879.6	1528.9	195.1	1063.9	356.7	2042.4	93.3
24 HTNG,PLMG,AND STRL. METAL	10.7	67.7	6.5	298.0	112.9	12.7	348.4	148.7	76.1	144.9
25 OTHER FABRICATED METALS	129.2	667.0	246.1	625.1	1053.0	116.4	1354.7	439.8	1667.7	70.0
26 ENGINES AND TURBINES	9.2	6.0	5.7	28.9	22.9	203.3	575.5	5.0	120.4	129.8
27 MACHINERY AND EQUIPMENT	211.3	979.1	367.4	413.2	782.7	469.5	5386.0	352.0	794.4	218.4
28 OFFICE MACHINES	4.2	6.9	3.0	189.8	65.1	0.0	98.6	1211.0	357.2	2.5
29 OTHER ELECTRICAL EQPT.	40.4	323.9	264.1	174.1	123.7	161.1	1175.6	2134.6	8944.0	32.1
30 SHIPBUILDING AND REPAIR	0.0	0.2	0.0	47.5	5.1	13.2	52.1	0.0	0.0	17.7
31 OTHER TRANSPORT EQPT.	0.7	134.5	47.0	101.0	329.7	261.5	451.2	169.3	564.7	26.9
32 INSTRUMENTS	5.4	52.2	6.9	68.1	61.3	5.8	123.8	93.5	396.2	11.6
33 MISCELLANEOUS MFG.	41.0	10.9	16.7	3.1	46.5	0.0	24.2	25.6	80.8	0.2
61 U.S. MERCHANT MARINE	37.8	174.9	14.0	4.6	9.1	0.8	7.0	0.5	7.7	0.3
62 FOREIGN SHIPS	12.9	99.6	112.9	3.5	22.9	2.0	30.2	4.2	30.8	0.0
39 SERVICE TO WATER TRANS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40 OTHER TRANS. AND STORAGE	599.3	1145.9	412.5	182.5	325.9	28.9	510.0	72.4	329.6	27.6
41 COMMUNICATIONS	57.3	95.2	44.0	75.2	98.6	16.1	218.0	65.3	323.7	14.3
42 UTILITIES	357.2	822.2	426.5	94.9	227.3	19.0	250.0	42.8	310.0	18.4
43 WHOLESALE/RETAIL	289.7	933.6	746.4	409.1	511.5	129.4	1280.5	451.8	1476.2	77.9
44 FINANCE INS. AND R.E.	297.7	261.6	268.4	256.5	397.2	35.3	893.5	371.3	952.1	26.6
45 SERVICES	332.4	897.7	303.8	311.8	560.2	72.8	944.0	299.8	1538.2	45.1
46 GOVERNMENT ENTERPRISE	17.5	25.4	11.8	11.3	19.0	3.5	41.9	11.7	61.2	2.6
47 NONCOMPETITIVE IMPORTS	0.8	0.0	63.0	0.0	0.0	5.2	24.3	0.0	86.2	0.0
48 COMPETITIVE IMPORTS	176.0	1420.0	1984.0	54.1	412.2	77.3	1105.0	181.7	1181.5	0.0
49 DUMMY INDUSTRIES	80.0	945.2	930.9	176.0	234.8	45.9	443.9	221.2	580.0	23.4
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 EMPLOYEE COMPENSATION	3360.7	9175.3	3453.1	3436.0	7457.0	1003.8	13156.8	3151.2	16283.2	1115.2
53 INDIRECT BUSINESS TAXES	125.0	358.0	155.0	86.0	191.0	27.0	503.0	61.0	302.0	23.7
54 PROPERTY TYPE INCOME	1518.8	2854.7	2106.1	1079.6	3300.6	337.0	4153.6	1211.1	4587.1	155.6
55 TOTAL	11026.0	31723.0	20870.0	12510.6	25167.0	3825.2	39435.0	11961.0	48085.0	2557.4
56 EMPLOYMENT	466.0	916.7	415.4	483.2	879.9	124.4	1497.1	366.1	1958.9	140.0
57 HOUSEHOLD SECTOR	4326.7	10953.8	4765.2	4108.2	9513.3	3306.7	15744.5	3905.7	19141.0	1211.6
58 VALUE ADDED	697.6	1434.2	949.0	492.8	1435.3	1469.0	1908.9	517.5	2029.3	82.1

	3_1	3_2	33	6_1	6_2	39	40	4_1	4_2	4_3
1 LIVESTOCK AND PRODUCTS	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	0.0	0.0
2 OTHER AGRICULTURAL PROD.	0.0	8.5	10.1	0.0	0.0	0.0	41.0	0.0	0.0	10.0
3 FOREST AND FISH PRODUCTS	0.0	0.0	2.4	0.0	0.0	0.0	2.6	0.0	0.0	138.5
4 IRON ORES MINING	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2
5 NONFERROUS ORES MINING	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8
6 CRUDE OIL AND NATURAL GAS	0.0	0.0	0.0	0.0	0.0	0.0	25.5	0.0	2521.4	0.0
7 OTHER MINING	19.4	3.2	6.0	2.0	0.0	0.0	5.8	0.7	895.6	7.8
8 CONSTRUCTION	181.3	38.3	23.3	65.9	0.0	14.6	1246.2	573.2	1137.0	526.1
9 ORDNANCE AND ACCESSORIES	442.3	21.3	5.3	0.0	0.0	0.0	0.0	0.0	0.2	37.9
10 FOOD PRODUCTS AND TOBACCO	0.0	12.5	19.0	2.7	0.0	0.9	162.6	0.0	1.8	900.8
11 TEXTILE AND APPAREL	849.6	111.0	247.1	37.9	0.0	12.0	96.0	5.2	16.7	286.7
12 LUMBER AND WOOD PRODUCTS	469.2	29.3	170.0	0.0	0.0	0.0	2.4	0.0	1.0	249.2
13 PAPER AND PRODUCTS	143.1	223.6	418.7	7.9	0.0	2.3	86.8	22.1	36.7	1577.4
14 PRINTING AND PUBLISHING	7.6	4.6	34.7	1.1	0.0	0.3	48.2	41.5	7.3	378.6
15 CHEMICALS AND PRODUCTS	76.1	228.3	53.4	0.0	0.0	0.0	45.7	0.5	56.8	215.2
16 OTHER CHEMICAL PRODUCTS	192.7	59.2	58.6	21.9	0.0	7.0	39.6	1.1	0.3	325.2
17 PETROLEUM REFINING	170.1	15.1	28.3	116.4	0.0	37.2	1845.7	65.5	274.9	1375.2
18 RUBBER AND PLASTICS	1193.1	243.3	582.2	8.8	0.0	1.5	277.5	24.2	24.8	738.8
19 LEATHER AND PRODUCTS	2.2	5.5	54.7	0.0	0.0	0.0	0.0	0.0	0.1	40.8
20 GLASS AND PRODUCTS	370.6	60.2	32.6	10.5	0.0	3.4	27.5	0.0	0.0	129.7
21 STONE AND CLAY PRODUCTS	159.0	17.5	24.9	1.7	0.0	0.5	8.7	0.1	0.7	158.4
22 PRIMARY IRON AND STEEL	4253.9	186.4	246.1	40.2	0.0	12.8	207.7	0.0	40.5	37.0
23 PRIMARY NONFERROUS METALS	1602.0	398.9	371.3	57.7	0.0	12.0	16.7	10.0	10.9	42.0
24 HTNG,PLMG,AND STRL. METAL	173.3	9.8	6.0	0.0	0.0	0.0	0.0	0.0	0.1	188.0
25 OTHER FABRICATED METALS	4625.6	385.4	269.4	91.8	0.0	29.3	103.2	0.5	26.7	323.5
26 ENGINES AND TURBINES	468.3	0.0	0.0	5.5	0.0	1.7	57.3	0.0	1.7	17.0
27 MACHINERY AND EQUIPMENT	2698.1	166.7	32.3	32.8	0.0	10.5	113.8	0.2	37.4	367.1
28 OFFICE MACHINES	458.4	23.2	26.3	0.0	0.0	0.0	3.9	0.0	0.0	136.5
29 OTHER ELECTRICAL EQPT.	2159.3	673.6	135.8	6.2	0.0	1.8	120.6	288.4	73.8	425.0
30 SHIPBUILDING AND REPAIR	66.9	2.1	0.0	176.3	0.0	56.3	0.0	0.0	0.0	1.6
31 OTHER TRANSPORT EQPT.	17429.2	101.8	47.6	13.1	0.0	4.3	538.1	3.3	2.7	194.4
32 INSTRUMENTS	516.5	851.0	15.8	19.9	0.0	6.3	23.4	3.5	0.1	238.0
33 MISCELLANEOUS MFG.	48.2	41.9	589.0	4.4	0.0	1.3	10.5	3.5	0.1	246.0
61 U.S. MERCHANT MARINE	14.6	1.5	2.0	345.3	0.0	1.2	52.5	2.1	93.1	48.0
62 FOREIGN SHIPS	18.8	9.7	19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39 SERVICE TO WATER TRANS.	0.0	0.0	0.0	499.6	0.0	16.9	0.0	0.0	0.0	0.0
40 OTHER TRANS. AND STORAGE	874.1	61.1	113.6	227.0	0.0	28.6	4401.7	40.8	509.4	1194.9
41 COMMUNICATIONS	277.8	76.7	45.5	27.2	0.0	8.8	468.6	357.7	99.5	1769.3
42 UTILITIES	330.7	52.2	48.0	15.8	0.0	4.9	321.6	179.2	6903.5	2414.9
43 WHOLESALE/RETAIL	1598.5	370.0	420.9	64.7	0.0	20.2	1542.5	196.8	202.1	3381.9
44 FINANCE INS. AND R.E.	801.7	225.9	209.0	160.7	0.0	56.1	1929.3	628.9	373.5	11082.0
45 SERVICES	2092.2	446.3	362.0	129.7	0.0	41.4	1609.9	1914.3	400.5	11100.6
46 GOVERNMENT ENTERPRISE	78.6	15.2	20.1	21.6	0.0	237.8	1291.9	91.3	5609.6	2380.1
47 NONCOMPETITIVE IMPORTS	79.9	1.2	181.1	395.4	0.0	126.2	374.6	133.0	0.0	45.6
48 COMPETITIVE IMPORTS	925.3	324.0	545.6	14.5	0.0	3.0	155.7	0.0	145.1	0.0
49 DUMMY INDUSTRIES	681.4	153.6	98.0	24.3	0.0	7.8	299.7	315.0	159.0	2394.6
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 EMPLOYEE COMPENSATION	18402.2	3377.5	2719.4	993.7	0.0	679.8	19255.7	7557.9	4905.0	89812.6
53 INDIRECT BUSINESS TAXES	2256.2	69.0	63.0	103.4	0.0	62.1	1043.4	2497.0	2111.0	22889.2
54 PROPERTY TYPE INCOME	3805.9	1860.7	988.1	523.0	0.0	231.3	7503.8	7554.0	10696.0	25563.2
55 TOTAL	70986.6	10970.0	9357.0	4230.9	1193.0	1755.8	40010.3	22511.5	37321.0	163365.5
56 EMPLOYMENT	1808.5	450.1	428.4	129.6	0.0	115.2	2749.6	969.6	642.2	16153.3
57 HOUSEHOLD SECTOR	20773.3	4536.7	3335.0	1319.2	0.0	823.9	25950.6	12264.0	10667.6	85738.5
58 VALUE ADDED	3691.0	770.5	455.5	300.9	0.0	149.3	4472.3	5344.9	6143.4	32526.5

		44	45	46	47	48	49	50	51	52	53
1	LIVESTOCK AND PRODUCTS	1127.4	69.1	0.0	0.0	0.0	32.9	0.0	0.0	1811.2	0.0
2	OTHER AGRICULTURAL PROD.	1196.6	236.8	391.0	0.0	0.0	115.2	0.0	0.0	3756.2	0.0
3	FOREST AND FISH PRODUCTS	160.2	24.9	1.2	0.0	0.0	54.1	0.0	0.0	584.3	0.0
4	IRON ORES MINING	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	NONFERROUS ORES MINING	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	CRUDE OIL AND NATURAL GAS	164.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	OTHER MINING	71.8	16.5	145.0	0.0	0.0	0.0	0.0	0.0	127.6	0.0
8	CONSTRUCTION	7293.9	1323.8	1771.2	0.0	0.0	0.0	0.0	0.0	0.0	54337.9
9	ORDNANCE AND ACCESSORIES	10.8	0.8	0.0	0.0	0.0	44.0	0.0	0.0	322.1	25.1
10	FOOD PRODUCTS AND TOBACCO	145.7	504.4	120.9	0.0	0.0	3157.0	0.0	0.0	66244.0	0.0
11	TEXTILE AND APPAREL	98.5	322.1	25.4	0.0	0.0	80.1	0.0	0.0	20227.0	88.9
12	LUMBER AND WOOD PRODUCTS	39.7	10.5	0.0	0.0	0.0	3.7	0.0	0.0	4293.3	1803.3
13	PAPER AND PRODUCTS	295.5	375.6	20.5	0.0	0.0	589.3	0.0	0.0	1574.7	0.0
14	PRINTING AND PUBLISHING	571.1	10068.4	55.0	0.0	0.0	1573.4	0.0	0.0	4119.3	0.0
15	CHEMICALS AND PRODUCTS	302.4	308.9	127.0	0.0	0.0	15.5	0.0	0.0	504.2	0.0
16	OTHER CHEMICAL PRODUCTS	115.2	1790.3	37.6	0.0	0.0	78.3	0.0	0.0	7345.2	0.0
17	PETROLEUM REFINING	811.3	767.1	140.7	0.0	0.0	11.6	0.0	0.0	10194.3	0.0
18	RUBBER AND PLASTICS	177.6	993.6	41.3	0.0	0.0	26.2	0.0	0.0	2287.0	30.0
19	LEATHER AND PRODUCTS	6.8	220.6	1.7	0.0	0.0	43.4	0.0	0.0	3659.1	0.0
20	GLASS AND PRODUCTS	18.2	145.3	2.2	0.0	0.0	4.1	0.0	0.0	317.3	0.0
21	STONE AND CLAY PRODUCTS	36.9	249.1	5.0	0.0	0.0	2.0	0.0	0.0	244.4	0.0
22	PRIMARY IRON AND STEEL	61.7	10.7	8.4	0.0	0.0	211.1	0.0	0.0	3.5	0.0
23	PRIMARY NONFERROUS METALS	36.5	5.7	0.8	0.0	0.0	155.7	0.0	0.0	14.6	34.3
24	HTNG,PLMG,AND STRL. METAL	45.4	0.0	0.3	0.0	0.0	39.6	0.0	0.0	65.7	932.7
25	OTHER FABRICATED METALS	42.8	1944.6	15.6	0.0	0.0	197.3	0.0	0.0	1148.2	347.4
26	ENGINES AND TURBINES	3.8	103.1	12.9	0.0	0.0	12.1	0.0	0.0	144.4	735.3
27	MACHINERY AND EQUIPMENT	295.5	964.1	16.5	0.0	0.0	84.6	0.0	0.0	152.2	15037.2
28	OFFICE MACHINES	264.7	388.5	3.4	0.0	0.0	24.4	0.0	0.0	515.9	5081.1
29	OTHER ELECTRICAL EQPT.	247.0	1048.7	4.3	0.0	0.0	235.4	0.0	0.0	8565.9	6245.0
30	SHIPBUILDING AND REPAIR	3.8	0.0	1.9	0.0	0.0	7.4	0.0	0.0	0.0	456.9
31	OTHER TRANSPORT EQPT.	173.0	1336.8	16.5	0.0	0.0	132.4	0.0	0.0	16949.2	14394.4
32	INSTRUMENTS	63.8	1011.6	5.2	0.0	0.0	248.1	0.0	0.0	1630.4	2851.7
33	MISCELLANEOUS MFG.	37.0	1107.4	2.5	0.0	0.0	462.1	0.0	0.0	4417.1	532.6
61	U.S. MERCHANT MARINE	53.9	37.0	97.3	0.0	0.0	37.0	0.0	0.0	712.7	22.5
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	22.3	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.8	0.0
40	OTHER TRANS. AND STORAGE	1157.4	839.0	1154.8	0.0	0.0	4026.9	0.0	0.0	10642.6	806.1
41	COMMUNICATIONS	1203.1	5250.6	63.1	0.0	0.0	0.0	0.0	0.0	7836.8	1095.7
42	UTILITIES	827.9	2234.8	1267.8	0.0	0.0	0.0	0.0	0.0	13934.9	0.0
43	WHOLESALE/RETAIL	2210.2	4370.5	187.8	0.0	0.0	749.3	0.0	0.0	109366.9	6543.7
44	FINANCE INS. AND R.E.	17890.0	8864.1	606.5	0.0	0.0	5.0	0.0	0.0	96135.7	2104.0
45	SERVICES	8766.1	10415.0	645.9	0.0	0.0	1682.6	0.0	0.0	74813.6	0.0
46	GOVERNMENT ENTERPRISE	2312.2	1256.9	23.3	0.0	0.0	0.0	0.0	0.0	2147.9	0.0
47	NONCOMPETITIVE IMPORTS	81.3	76.0	341.5	0.0	0.0	0.0	0.0	0.0	9869.6	657.9
48	COMPETITIVE IMPORTS	20.0	0.0	0.0	0.0	0.0	1045.5	1763.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	1575.3	2960.0	97.6	0.0	0.0	0.0	0.0	0.0	1286.5	-2928.8
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2653.6	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	EMPLOYEE COMPENSATION	21351.2	53306.7	7852.7	0.0	0.0	0.0	86400.0	0.0	0.0	0.0
53	INDIRECT BUSINESS TAXES	20166.2	1879.0	67.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
54	PROPERTY TYPE INCOME	69454.7	33319.9	1937.8	0.0	0.0	0.0	4472.0	-1843.0	0.0	0.0
55	TOTAL	161005.0	150156.0	17337.1	0.1	0.1	15803.8	92035.0	-1843.0	490660.1	110442.9
56	EMPLOYMENT	3225.0	10099.0	852.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57	HOUSEHOLD SECTOR	64621.5	74065.0	9960.0	0.0	0.0	0.0	84485.1	0.0	4721.0	0.0
58	VALUE ADDED	46350.6	14440.6	797.6	0.0	0.0	0.0	1085.9	-1843.0	138642.0	0.0

TABLE C1, MARAD I-O TABLE OF U.S. ECONOMY, TRANSACTIONS 1967 (IN $ MILLION OF PRODUCERS' PRICES)

		54	55	56	57	58	59	60
1	LIVESTOCK AND PRODUCTS	129,0	55,0	4,6	3,7	14,5	2018,0	30637,7
2	OTHER AGRICULTURAL PROD.	1030,7	3183,8	7,2	-1201,8	73,8	6048,9	28559,9
3	FOREST AND FISH PRODUCTS	2,3	61,8	14,5	-258,5	29,2	433,6	4615,4
4	IRON ORES MINING	25,3	122,4	-65,1	-0,4	0,0	82,2	1743,7
5	NONFERROUS ORES MINING	12,3	35,2	58,3	67,4	0,0	173,2	1043,0
6	CRUDE OIL AND NATURAL GAS	256,7	82,1	0,0	0,0	0,0	338,8	15030,6
7	OTHER MINING	144,8	538,3	34,8	5,6	6,7	857,8	6544,9
8	CONSTRUCTION	0,0	15,1	1947,5	2980,8	26302,3	85503,0	103280,0
9	ORDNANCE AND ACCESSORIES	147,0	308,7	6431,8	1833,9	6,9	9075,5	10734,0
10	FOOD PRODUCTS AND TOBACCO	1087,6	2507,1	206,5	448,4	476,2	70970,8	97391,0
11	TEXTILE AND APPAREL	551,2	582,6	506,7	50,9	87,2	22074,5	47483,0
12	LUMBER AND WOOD PRODUCTS	213,5	412,9	108,5	91,2	328,3	7251,2	21392,0
13	PAPER AND PRODUCTS	266,9	672,4	90,6	59,9	199,8	2804,1	22764,0
14	PRINTING AND PUBLISHING	296,8	251,8	179,5	48,7	863,7	5759,8	22118,0
15	CHEMICALS AND PRODUCTS	305,4	1710,3	1285,8	465,7	113,3	4384,7	23182,0
16	OTHER CHEMICAL PRODUCTS	275,7	482,6	123,7	71,9	529,9	8829,0	15496,0
17	PETROLEUM REFINING	541,3	764,7	938,9	139,3	291,8	12870,3	26975,0
18	RUBBER AND PLASTICS	168,3	992,6	419,8	37,5	172,7	4107,9	22233,0
19	LEATHER AND PRODUCTS	14,7	62,8	18,3	3,7	2,7	3761,3	5330,0
20	GLASS AND PRODUCTS	38,9	145,3	10,0	8,4	53,0	572,9	3801,0
21	STONE AND CLAY PRODUCTS	127,4	177,0	22,7	3,7	12,9	588,1	11026,0
22	PRIMARY IRON AND STEEL	514,2	518,0	286,4	3,8	2,0	1328,4	31723,0
23	PRIMARY NONFERROUS METALS	335,7	725,8	41,8	-33,9	0,2	1118,5	20870,0
24	HTNG,PLMG,AND STRL, METAL	128,0	284,4	178,7	43,0	0,0	1632,5	12510,0
25	OTHER FABRICATED METALS	345,2	724,6	346,9	68,2	45,5	3025,0	25167,0
26	ENGINES AND TURBINES	54,6	393,5	365,9	48,9	9,2	1751,8	3825,2
27	MACHINERY AND EQUIPMENT	918,2	3787,0	889,7	152,2	260,1	21196,6	39435,0
28	OFFICE MACHINES	281,5	1069,0	338,7	297,4	285,6	7869,2	11961,0
29	OTHER ELECTRICAL EQPT.	1066,7	1989,1	6716,9	922,4	325,0	25831,8	48085,0
30	SHIPBUILDING AND REPAIR	171,1	36,7	1281,6	178,4	0,0	2124,7	2557,4
31	OTHER TRANSPORT EQPT.	1633,7	3954,6	8732,1	1005,9	750,5	47420,4	70986,6
32	INSTRUMENTS	187,2	890,0	941,5	207,0	300,7	6208,5	10970,0
33	MISCELLANEOUS MFG.	147,3	332,0	58,6	39,6	164,3	5691,5	9357,0
61	U.S. MERCHANT MARINE	19,9	902,1	691,6	5,5	18,7	2373,0	4230,9
62	FOREIGN SHIPS	0,0	0,0	0,0	0,0	0,0	0,0	1193,0
39	SERVICE TO WATER TRANS.	0,0	1029,0	149,3	0,0	0,0	1219,3	1735,8
40	OTHER TRANS, AND STORAGE	208,3	1959,8	2154,8	323,0	966,5	17061,1	46010,3
41	COMMUNICATIONS	0,0	139,6	405,1	138,4	482,4	10098,0	22511,5
42	UTILITIES	0,0	74,3	294,8	89,2	1598,5	15951,7	37321,0
43	WHOLESALE/RETAIL	507,9	2614,8	1141,7	255,4	384,2	120814,6	163365,5
44	FINANCE INS. AND R.E.	-0,7	667,5	146,4	199,6	1021,2	100273,7	161005,0
45	SERVICES	-56,8	791,8	3712,5	2072,9	4280,8	85614,8	150156,0
46	GOVERNMENT ENTERPRISE	0,0	106,4	230,9	336,2	252,3	3073,7	17337,1
47	NONCOMPETITIVE IMPORTS	-99,7	-18221,1	2876,9	1087,2	3,4	-3825,8	0,0
48	COMPETITIVE IMPORTS	0,0	-22570,3	0,0	0,0	0,0	-22570,3	0,0
49	DUMMY INDUSTRIES	-121,1	580,1	-120,0	-7,9	1150,3	-151,9	15803,8
50	MISCELLANEOUS INDUSTRIES	0,0	9188,3	27125,6	7218,8	46448,5	92634,8	92634,8
51	INVENTORY VALUE ADJ.	-1843,0	0,0	0,0	0,0	0,0	-1843,0	-1843,0
52	EMPLOYEE COMPENSATION	0,0	0,0	0,0	0,0	0,0	0,0	471089,4
53	INDIRECT BUSINESS TAXES	0,0	0,0	0,0	0,0	0,0	0,0	70258,9
54	PROPERTY TYPE INCOME	0,0	0,0	0,0	0,0	0,0	0,0	254000,7
55	TOTAL	10034,0	5132,0	71333,0	19471,0	88315,0	795388,0	2316256,7
56	EMPLOYMENT	0,0	0,0	0,0	0,0	0,0	0,0	63124,3
57	HOUSEHOLD SECTOR	0,0	0,0	0,0	0,0	0,0	0,0	629300,0
58	VALUE ADDED	0,0	0,0	0,0	0,0	0,0	0,0	384759,0

TABLE C2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	.183118	.050743	.057568	-------	-------	-------	-------	-------	-------	.203069
2	OTHER AGRICULTURAL PROD.	.273500	.031696	.132600	-------	-------	-------	-------	.000601	-------	.085274
3	FOREST AND FISH PRODUCTS	.019688	.046770	.017095	-------	-------	-------	-------	.001743	-------	.004339
4	IRON ORES MINING	-------	-------	-------	.052704	.002683	-------	.000229	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	.019040	.132744	-------	.001131	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	.024869	.000168	-------	-------	-------
7	OTHER MINING	.000186	.004629	-------	.005219	.004634	.000020	.002828	.009008	.000233	.000548
8	CONSTRUCTION	.007608	.012961	-------	.017262	.009512	.031682	.007594	.000287	.002273	.002715
9	ORDNANCE AND ACCESSORIES	-------	-------	-------	-------	-------	-------	-------	-------	.071548	-------
10	FOOD PRODUCTS AND TOBACCO	.120580	-------	.014690	-------	-------	-------	-------	-------	-------	.169348
11	TEXTILE AND APPAREL	.000336	.002845	.023725	.001147	.000061	.000319	.004767	.002703	.002385	.001490
12	LUMBER AND WOOD PRODUCTS	.000088	.003760	.002752	.002065	.006585	-------	.003652	.053524	.007257	.001271
13	PAPER AND PRODUCTS	.000552	.000158	.026628	.000172	.000305	.000073	.003911	.002830	.006941	.027577
14	PRINTING AND PUBLISHING	.000199	.000357	.000108	.000172	.000122	.000040	.000046	.000019	.000148	.000529
15	CHEMICALS AND PRODUCTS	.002451	.080473	.005027	.015771	.030732	.010898	.019145	.001493	.022322	.004286
16	OTHER CHEMICAL PRODUCTS	.001753	-------	.000542	-------	-------	.000592	.000015	.012813	.000158	.002976
17	PETROLEUM REFINING	.005451	.031724	.008818	.002466	.003293	.002196	.017067	.019595	.002441	.002260
18	RUBBER AND PLASTICS	.001191	.005771	.000542	.008316	.005244	.002269	.009809	.007248	.009186	.009293
19	LEATHER AND PRODUCTS	.000297	-------	.000173	-------	-------	-------	-------	-------	.000047	.000216
20	GLASS AND PRODUCTS	.000183	-------	-------	-------	-------	-------	-------	.002467	.000148	.010275
21	STONE AND CLAY PRODUCTS	.000072	.000862	.000130	.000516	.001707	.005522	.019970	.066551	.001397	.000209
22	PRIMARY IRON AND STEEL	-------	-------	-------	.023857	.025183	.007957	.016960	.017053	.048761	.002135
23	PRIMARY NONFERROUS METALS	.000042	.000042	-------	.002179	.000610	-------	.002154	.022890	.027846	.000254
24	HTNG,PLMG,AND STRL. METAL	-------	-------	-------	.000115	.000061	.003220	.000947	.088018	.000503	-------
25	OTHER FABRICATED METALS	.002389	.001896	.013498	.002466	.005610	.004158	.010558	.019220	.024865	.024840
26	ENGINES AND TURBINES	-------	-------	.001018	.002284	.005366	.003233	.005959	.000889	.000531	-------
27	MACHINERY AND EQUIPMENT	.000411	.010666	.000087	.016230	.046829	.015156	.028022	.009248	.023393	.002570
28	OFFICE MACHINES	-------	-------	-------	-------	-------	-------	-------	.007698	.001397	-------
29	OTHER ELECTRICAL EQPT.	.000447	.001395	.000390	.001147	.000915	.011383	.002567	.024285	.049078	.000866
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	OTHER TRANSPORT EQPT.	.000228	.000487	.003662	.003269	.001341	-------	.000107	.000050	.122368	.000243
32	INSTRUMENTS	-------	-------	.000043	.000115	.000244	.000619	-------	.002940	.016592	.000141
33	MISCELLANEOUS MFG.	.000069	.000074	.000932	.000172	.000366	.000020	.000138	.001954	.000429	.000291
61	U.S. MERCHANT MARINE	.000956	.001559	.000412	.001635	.000183	.000266	.000657	.000890	.000214	.001961
62	FOREIGN SHIPS	.000274	.000753	.005958	.049492	.031951	.006380	.001849	-------	.000326	.001068
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	.021297	.013514	.008103	.007600	.007622	.003067	.007976	.024416	.007723	.024337
41	COMMUNICATIONS	.002458	.002470	-------	.001204	.001646	.000825	.001589	.003279	.009633	.003100
42	UTILITIES	.003156	.007165	.000585	.027986	.024756	.011450	.028511	.000714	.004900	.006632
43	WHOLESALE/RETAIL	.043492	.053504	.016488	.010438	.016890	.011623	.020535	.079641	.024911	.034322
44	FINANCE INS. AND R.E.	.023899	.083227	.024007	.081493	.045061	.167791	.054332	.013152	.006987	.011767
45	SERVICES	.012707	.048360	.001343	.036946	.015305	.017604	.032728	.052605	.028890	.039834
46	GOVERNMENT ENTERPRISE	.000134	.000144	.000152	.000766	.000854	.000419	.000764	.000636	.001286	.000959
47	NONCOMPETITIVE IMPORTS	-------	-------	.007887	-------	-------	-------	-------	.000982	-------	.013534
48	COMPETITIVE IMPORTS	.005940	.011678	.110500	.309572	.193841	.071594	.031047	-------	.005543	.013918
49	DUMMY INDUSTRIES	.000943	.001423	.006240	.005964	.008110	.011902	.007380	.007153	.014859	.004766
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	.039517	.075999	.179746	.144463	.257683	.058680	.329325	.356872	.381694	.141539
53	INDIRECT BUSINESS TAXES	.025067	.032831	.015817	.028101	.034085	.048900	.020932	.005616	.006801	.067326
54	PROPERTY TYPE INCOME	.199333	.380064	.311652	.117566	.080976	.465291	.224572	.078792	.064189	.077120
55	TOTAL	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

TABLE C2. DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	.005480	-------	-------	-------	-------	.[illegible]705	-------	-------	.002720	-------
2	OTHER AGRICULTURAL PROD.	.024800	.005764	-------	-------	.001562	.003749	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	.003483	.046817	-------	-------	.000539	.000174	-------	.000013	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	.002032	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	.000350	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	.002122	-------	.428400	-------	-------	-------
7	OTHER MINING	.000423	.000360	.006721	.000032	.031865	.002433	.002717	.002640	.000394	.012707
8	CONSTRUCTION	.001914	.004380	.006378	.003554	.006945	.003691	.013472	.004615	.001445	.008340
9	ORDNANCE AND ACCESSORIES	-------	.000757	-------	.000199	.000475	-------	-------	.000108	-------	-------
10	FOOD PRODUCTS AND TOBACCO	.000986	.000285	.005922	-------	.006347	.024710	.001142	.002537	.049231	-------
11	TEXTILE AND APPAREL	.422699	.023887	.010600	.004987	.001316	.000968	.000100	.039077	.063583	.001210
12	LUMBER AND WOOD PRODUCTS	.000590	.227889	.052816	.000457	.002385	.000426	.000056	.002514	.009099	.014660
13	PAPER AND PRODUCTS	.008049	.009831	.244860	.153083	.014930	.029366	.005924	.029137	.018105	.059405
14	PRINTING AND PUBLISHING	.000423	.000248	.007595	.110046	.000198	.001852	.000100	.000436	.000582	.000210
15	CHEMICALS AND PRODUCTS	.010701	.008265	.033505	.018338	.190104	.127852	.023107	.154891	.011276	.023020
16	OTHER CHEMICAL PRODUCTS	.000956	.008134	.001502	.000710	.016448	.048980	.003648	.006149	.008668	.006251
17	PETROLEUM REFINING	.001066	.005497	.005768	.001818	.077651	.006402	.067878	.006301	.001238	.001789
18	RUBBER AND PLASTICS	.062595	.019872	.024126	.006357	.033228	.048354	.002298	.147079	.070263	.024152
19	LEATHER AND PRODUCTS	.001990	.000309	.000105	.000063	.000047	.000013	.000022	.001309	.190000	-------
20	GLASS AND PRODUCTS	.001487	.003515	.000070	-------	.000462	.012461	-------	.001916	-------	.064930
21	STONE AND CLAY PRODUCTS	.000607	.005815	.001445	-------	.002614	.002039	.002154	.002955	.000338	.016732
22	PRIMARY IRON AND STEEL	.000002	.018301	.001520	.000466	.007950	.000832	.000311	.002145	-------	-------
23	PRIMARY NONFERROUS METALS	.000034	.003071	.001046	.001795	.013877	.002104	.001501	.001939	.000169	.007445
24	HTNG,PLMG,AND STRL. METAL	.000017	.001318	.000013	-------	.000060	.000026	.000085	.000468	-------	.000342
25	OTHER FABRICATED METALS	.001660	.033541	.011997	.010485	.013907	.038571	.003852	.013134	.016210	.000921
26	ENGINES AND TURBINES	-------	.000033	-------	-------	-------	-------	-------	-------	-------	-------
27	MACHINERY AND EQUIPMENT	.003517	.005432	.007143	.001528	.014524	.001336	.003366	.008820	.004540	.004130
28	OFFICE MACHINES	.000057	.000912	.000167	.000027	.000164	.000097	-------	.000103	-------	.000105
29	OTHER ELECTRICAL EQPT.	.000392	.001659	.000641	.000520	.001104	.000484	.000445	.001084	.000657	.002184
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	.000090	-------	-------
31	OTHER TRANSPORT EQPT.	.000091	.001328	-------	.000054	.000772	.000187	.000104	.002973	.000094	.003736
32	INSTRUMENTS	.000958	.001893	.001476	.008364	.000630	.003569	.000660	.000886	.002683	.001894
33	MISCELLANEOUS MFG.	.007697	.001921	.000698	.001641	.000854	.000903	.000030	.004237	.007767	.001763
61	U.S. MERCHANT MARINE	.000299	.001225	.001463	.000127	.002485	.000852	.012775	.001529	.000413	.000500
62	FOREIGN SHIPS	.001133	.006647	.001621	.000009	.001531	.000394	.003299	.000643	.000563	.002920
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	.009862	.020082	.032134	.011384	.022349	.014423	.035414	.016471	.011426	.025072
41	COMMUNICATIONS	.003064	.003389	.003321	.011317	.003278	.004459	.000912	.004165	.003809	.003446
42	UTILITIES	.006984	.008386	.017295	.005462	.030131	.004317	.017108	.012230	.005629	.035649
43	WHOLESALE/RETAIL	.029988	.036285	.030153	.024858	.023441	.030330	.011214	.031476	.043715	.031018
44	FINANCE INS. AND R.E.	.015098	.016492	.017840	.049706	.027741	.034041	.032604	.019206	.020206	.024257
45	SERVICES	.015618	.022326	.024899	.047730	.031749	.146864	.029724	.033347	.026735	.031992
46	GOVERNMENT ENTERPRISE	.001611	.000930	.000958	.012659	.001820	.001704	.000619	.000846	.002702	.001237
47	NONCOMPETITIVE IMPORTS	.001310	.000108	-------	.000118	.001756	.002988	.000074	.008582	.001407	-------
48	COMPETITIVE IMPORTS	.017368	.036976	.060108	.000859	.027487	.007376	.037742	.014411	.015422	.024941
49	DUMMY INDUSTRIES	.005568	.004829	.014615	.014269	.007691	.016985	.001846	.009927	.005891	.009550
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	.250296	.272784	.241965	.371801	.183768	.200271	.084011	.269509	.321257	.371955
53	INDIRECT BUSINESS TAXES	.004696	.008087	.009577	.007324	.009102	.007163	.112853	.026831	.004690	.008682
54	PROPERTY TYPE INCOME	.074342	.120405	.117949	.117814	.175524	.165230	.058539	.111276	.078011	.174165
55	TOTAL	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

TABLE C2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
4	IRON ORES MINING	,000880	,047174	,000220	-------	,000028	-------	-------	-------	,000021	-------
5	NONFERROUS ORES MINING	,001125	,001803	,050422	-------	-------	-------	-------	-------	,000141	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	,080836	,023220	,000886	,000144	,000584	,000497	,000236	,000142	,000195	,000156
8	CONSTRUCTION	,008961	,009186	,003330	,003213	,003044	,003111	,003155	,002383	,002957	,003910
9	ORDNANCE AND ACCESSORIES	-------	,000066	,000005	,000991	,000743	,006222	,000837	,000192	,003895	,004731
10	FOOD PRODUCTS AND TOBACCO	,000553	,000022	,000383	-------	,000064	-------	,000155	,000109	-------	-------
11	TEXTILE AND APPAREL	,007256	,000681	,001040	,000983	,001979	,000549	,001199	,000936	,001398	,001408
12	LUMBER AND WOOD PRODUCTS	,002957	,002534	,004092	,005859	,005281	,000314	,002658	,002608	,007672	,009658
13	PAPER AND PRODUCTS	,023844	,000861	,001586	,006307	,013180	,003686	,001844	,006070	,010350	,000547
14	PRINTING AND PUBLISHING	,000308	,000123	,000628	,000120	,006012	,000078	,000304	,007901	,000921	,000078
15	CHEMICALS AND PRODUCTS	,018484	,012360	,008836	,001895	,006811	,000444	,000926	,001605	,006588	,000156
16	OTHER CHEMICAL PRODUCTS	,001161	,000448	,000618	,000817	,007740	,001124	,001329	,002475	,002300	,001916
17	PETROLEUM REFINING	,009441	,003663	,002314	,002694	,002555	,004026	,004506	,001505	,002075	,002503
18	RUBBER AND PLASTICS	,016252	,001062	,010230	,002894	,011571	,001987	,011147	,009949	,020649	,001642
19	LEATHER AND PRODUCTS	,000290	,000082	,000268	,000016	,000250	,000209	,000200	,000100	,000200	,000239
20	GLASS AND PRODUCTS	,000299	,000063	,000038	,004460	,000918	-------	,000142	,000092	,008907	,002033
21	STONE AND CLAY PRODUCTS	,111645	,003553	,001888	,003062	,003282	,008732	,007354	,004598	,005576	,005865
22	PRIMARY IRON AND STEEL	,011328	,189673	,016272	,241279	,224314	,100439	,107326	,032899	,029951	,074803
23	PRIMARY NONFERROUS METALS	,002331	,027078	,322137	,070312	,060750	,051004	,026979	,029822	,042433	,036482
24	HTNG,PLMG,AND STRL, METAL	,000970	,002134	,000311	,023821	,004486	,003320	,008835	,012432	,001583	,056659
25	OTHER FABRICATED METALS	,011718	,021026	,011792	,049968	,041841	,030430	,034353	,036770	,034682	,027372
26	ENGINES AND TURBINES	,000834	,000189	,000273	,002310	,000910	,074061	,014594	,000418	,002504	,050755
27	MACHINERY AND EQUIPMENT	,019164	,030864	,017604	,033030	,031100	,122739	,136579	,029429	,016521	,085399
28	OFFICE MACHINES	,000381	,000218	,000144	,013573	,002587	-------	,002500	,101246	,007429	,000978
29	OTHER ELECTRICAL EQPT.	,003664	,010210	,012655	,013917	,004915	,042115	,029811	,178463	,186004	,012552
30	SHIPBUILDING AND REPAIR	-------	,000006	-------	,003797	,000203	,003451	,000814	-------	-------	,006921
31	OTHER TRANSPORT EQPT.	,000063	,004240	,002252	,008074	,013100	,068362	,011442	,014154	,011744	,010518
32	INSTRUMENTS	,000490	,001645	,000331	,005444	,002436	,001516	,003139	,007817	,008240	,004536
33	MISCELLANEOUS MFG.	,003718	,000344	,000800	,000248	,001848	-------	,000614	,002140	,001680	,000278
61	U.S. MERCHANT MARINE	,003428	,005513	,000671	,000368	,000362	,000209	,000178	,000042	,000160	,000117
62	FOREIGN SHIPS	,001170	,003140	,005410	,000280	,000910	,000523	,000766	,000351	,000641	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,054353	,036122	,019765	,015388	,012949	,007555	,007861	,006053	,006855	,010792
41	COMMUNICATIONS	,005197	,003001	,002108	,006011	,003918	,004209	,005528	,005459	,006732	,005592
42	UTILITIES	,032396	,025918	,020436	,007586	,009032	,004967	,006340	,003578	,006447	,007195
43	WHOLESALE/RETAIL	,026274	,029430	,035764	,032702	,020324	,033828	,032471	,037773	,030700	,030461
44	FINANCE INS. AND R.E.	,027000	,008246	,012861	,020504	,015783	,009228	,022658	,031043	,019800	,010401
45	SERVICES	,030147	,028298	,014557	,024924	,022259	,019032	,023938	,025065	,031989	,017635
46	GOVERNMENT ENTERPRISE	,001587	,000801	,000565	,000903	,000755	,000915	,001063	,000978	,001273	,001217
47	NONCOMPETITIVE IMPORTS	,000073	-------	,003019	-------	-------	,001359	,000616	-------	,001793	-------
48	COMPETITIVE IMPORTS	,015962	,044762	,095065	,004325	,016379	,020208	,028021	,015191	,024571	-------
49	DUMMY INDUSTRIES	,007256	,029795	,044605	,014069	,009330	,011999	,011256	,018493	,012062	,009150
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	,306612	,289232	,165458	,274660	,296301	,262418	,333633	,263456	,338634	,436068
53	INDIRECT BUSINESS TAXES	,011337	,011285	,007427	,006875	,007589	,007058	,007684	,005100	,006239	,009267
54	PROPERTY TYPE INCOME	,137747	,089988	,100915	,086251	,131148	,088100	,105328	,101254	,095396	,060608
55	TOTAL	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000	1,000000

TABLE C2. DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	.000089	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	.000775	.001079	-------	-------	-------	.000891	-------	-------	.000261
3	FOREST AND FISH PRODUCTS	-------	-------	.000256	-------	-------	-------	.000057	-------	-------	.000848
4	IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------	-------	.000008	.000201
5	NONFERROUS ORES MINING	-------	.000237	-------	-------	-------	-------	-------	-------	.000019	.000205
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	.000554	-------	.067560	-------
7	OTHER MINING	.000273	.000292	.000641	.000473	-------	.000403	.000126	.000031	.023997	.000248
8	CONSTRUCTION	.002554	.003491	.002490	.010849	-------	.008411	.027085	.025463	.030465	.003220
9	ORDNANCE AND ACCESSORIES	.006231	.001942	.000566	-------	-------	-------	-------	-------	.000085	.000232
10	FOOD PRODUCTS AND TOBACCO	-------	.001139	.002031	.000638	-------	.000518	.003534	-------	.000048	.005514
11	TEXTILE AND APPAREL	.011968	.010119	.026408	.008958	-------	.006913	.002086	.000231	.000447	.001755
12	LUMBER AND WOOD PRODUCTS	.006610	.002671	.018168	-------	-------	-------	.000852	-------	.000027	.001525
13	PAPER AND PRODUCTS	.002016	.020383	.044747	.001867	-------	.001325	.001887	.000982	.000983	.009656
14	PRINTING AND PUBLISHING	.000107	.000419	.003708	.000260	-------	.000173	.001048	.001844	.000196	.002318
15	CHEMICALS AND PRODUCTS	.001072	.020811	.005707	-------	-------	-------	.000993	.000022	.001522	.001317
16	OTHER CHEMICAL PRODUCTS	.002715	.005397	.006263	.005176	-------	.004033	.000861	.000049	.000088	.001991
17	PETROLEUM REFINING	.002396	.001376	.003024	.027512	-------	.021431	.040115	.002910	.007366	.000418
18	RUBBER AND PLASTICS	.016807	.022179	.062221	.002080	-------	.000864	.006031	.001075	.000665	.004522
19	LEATHER AND PRODUCTS	.000031	.000501	.005846	-------	-------	-------	-------	-------	.000003	.000250
20	GLASS AND PRODUCTS	.005221	.005488	.003484	.002482	-------	.001959	.000598	-------	-------	.000794
21	STONE AND CLAY PRODUCTS	.002240	.001595	.002661	.000402	-------	.000288	.000189	.000004	.000019	.000570
22	PRIMARY IRON AND STEEL	.059925	.016992	.026301	.009502	-------	.007374	.004514	-------	.001085	.000226
23	PRIMARY NONFERROUS METALS	.022568	.036363	.039682	.008911	-------	.006913	.000363	.000044	.000292	.000257
24	HTNG,PLMG,AND STRL, METAL	.002441	.000893	.000641	-------	-------	-------	-------	-------	.000083	.001102
25	OTHER FABRICATED METALS	.065162	.035132	.028791	.021698	-------	.016880	.002243	.000022	.000715	.001980
26	ENGINES AND TURBINES	.006597	-------	-------	.001300	-------	.000979	.001245	-------	.000046	.000104
27	MACHINERY AND EQUIPMENT	.038009	.015196	.003452	.007752	-------	.006049	.002473	.000009	.001002	.002247
28	OFFICE MACHINES	.006458	.002115	.002811	-------	-------	-------	.000085	-------	-------	.000836
29	OTHER ELECTRICAL EQPT.	.030418	.061404	.014513	.001405	-------	.001037	.002621	.012811	.001977	.002602
30	SHIPBUILDING AND REPAIR	.000942	.000191	-------	.041670	-------	.032435	-------	-------	-------	.000218
31	OTHER TRANSPORT EQPT.	.245528	.009280	.005087	.003095	-------	.002477	.011695	.000147	.000072	.001190
32	INSTRUMENTS	.007276	.077575	.001689	.004703	-------	.003629	.000509	.000155	.000003	.001408
33	MISCELLANEOUS MFG.	.000679	.003820	.062948	.001040	-------	.000749	.000228	.000155	.000003	.001506
61	U.S. MERCHANT MARINE	.000206	.000137	.000214	.081614	-------	.000691	.001141	.000093	.001423	.000245
62	FOREIGN SHIPS	.000265	.000884	.002084	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	.118084	-------	.009736	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	.012314	.005570	.012141	.053653	-------	.016477	.095668	.001812	.013649	.007314
41	COMMUNICATIONS	.003913	.006992	.004863	.006500	-------	.005070	.010185	.015890	.002666	.010830
42	UTILITIES	.004659	.004758	.005130	.003734	-------	.002823	.006990	.007960	.184976	.014782
43	WHOLESALE/RETAIL	.022518	.033728	.044982	.015292	-------	.011637	.033525	.008742	.005415	.022701
44	FINANCE INS. AND R.E.	.011294	.020593	.022336	.037982	-------	.032319	.041932	.027937	.010008	.067836
45	SERVICES	.029473	.040684	.038688	.030655	-------	.023851	.034990	.085037	.010731	.067949
46	GOVERNMENT ENTERPRISE	.001107	.001386	.002148	.005105	-------	.136997	.028078	.004056	.150327	.014569
47	NONCOMPETITIVE IMPORTS	.001126	.000109	.019354	.093455	-------	.072704	.008142	.005908	-------	.002279
48	COMPETITIVE IMPORTS	.013035	.029535	.058331	.003427	-------	-------	.003384	-------	.003888	-------
49	DUMMY INDUSTRIES	.009599	.014002	.010473	.005743	-------	.004494	.006514	.013993	.004260	.014658
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	.259235	.307865	.290627	.234867	-------	.391635	.418508	.335735	.131427	.549765
53	INDIRECT BUSINESS TAXES	.031783	.006290	.006733	.024439	-------	.035776	.035718	.110921	.256563	.142110
54	PROPERTY TYPE INCOME	.053614	.169617	.105600	.123614	-------	.133253	.163090	.335562	.286595	.156479
55	TOTAL	1.000000	1.000002	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

TABLE C2, DIRECT OUTPUT REQUIREMENTS PER DOLLAR OF GROSS OUTPUT

		44	45	46	47	48	49	50	51
1	LIVESTOCK AND PRODUCTS	.007002	.000460	-------	-------	-------	.001955	-------	-------
2	OTHER AGRICULTURAL PROD.	.007432	.001577	.022553	-------	-------	.007289	-------	-------
3	FOREST AND FISH PRODUCTS	.000995	.000166	.000069	-------	-------	.003170	-------	-------
4	IRON ORES MINING	.000022	-------	-------	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	.000063	-------	-------	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	.001023	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	.000446	.000110	.008364	-------	-------	-------	-------	-------
8	CONSTRUCTION	.045302	.008816	.102162	-------	-------	-------	-------	-------
9	ORDNANCE AND ACCESSORIES	.000067	.000005	-------	-------	-------	.002784	-------	-------
10	FOOD PRODUCTS AND TOBACCO	.000905	.003359	.006973	-------	-------	.199762	-------	-------
11	TEXTILE AND APPAREL	.000612	.002145	.001465	-------	-------	.005068	-------	-------
12	LUMBER AND WOOD PRODUCTS	.000247	.000070	-------	-------	-------	.000234	-------	-------
13	PAPER AND PRODUCTS	.001835	.002501	.001182	-------	-------	.037289	-------	-------
14	PRINTING AND PUBLISHING	.003547	.067053	.003172	-------	-------	.099556	-------	-------
15	CHEMICALS AND PRODUCTS	.001878	.002057	.007325	-------	-------	.000981	-------	-------
16	OTHER CHEMICAL PRODUCTS	.000716	.011923	.002169	-------	-------	.004955	-------	-------
17	PETROLEUM REFINING	.005039	.005109	.008116	-------	-------	.000734	-------	-------
18	RUBBER AND PLASTICS	.001103	.006617	.002382	-------	-------	.001658	-------	-------
19	LEATHER AND PRODUCTS	.000042	.001469	.000098	-------	-------	.002746	-------	-------
20	GLASS AND PRODUCTS	.000113	.000968	.000127	-------	-------	.000259	-------	-------
21	STONE AND CLAY PRODUCTS	.000229	.001659	.000288	-------	-------	.000165	-------	-------
22	PRIMARY IRON AND STEEL	.000383	.000071	.000485	-------	-------	.013358	-------	-------
23	PRIMARY NONFERROUS METALS	.000227	.000038	.000046	-------	-------	.009852	-------	-------
24	HTNG,PLMG,AND STRL, METAL	.000282	-------	.000017	-------	-------	.002506	-------	-------
25	OTHER FABRICATED METALS	.000266	.012951	.000900	-------	-------	.012484	-------	-------
26	ENGINES AND TURBINES	.000024	.000687	.000744	-------	-------	.000766	-------	-------
27	MACHINERY AND EQUIPMENT	.001835	.006421	.000952	-------	-------	.005353	-------	-------
28	OFFICE MACHINES	.001644	.002587	.000196	-------	-------	.001544	-------	-------
29	OTHER ELECTRICAL EQPT.	.001534	.006984	.000248	-------	-------	.014895	-------	-------
30	SHIPBUILDING AND REPAIR	.000024	-------	.000110	-------	-------	.000468	-------	-------
31	OTHER TRANSPORT EQPT.	.001075	.008903	.000952	-------	-------	.008378	-------	-------
32	INSTRUMENTS	.000396	.006737	.000300	-------	-------	.015699	-------	-------
33	MISCELLANEOUS MFG.	.000230	.007375	.000144	-------	-------	.029240	-------	-------
61	U.S. MERCHANT MARINE	.000335	.000246	.005612	-------	-------	.002341	-------	-------
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	.001411	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	.007189	.005588	.066609	-------	-------	.292771	-------	-------
41	COMMUNICATIONS	.007472	.034968	.003640	-------	-------	-------	-------	-------
42	UTILITIES	.005142	.014883	.073126	-------	-------	-------	-------	-------
43	WHOLESALE/RETAIL	.013728	.029106	.010832	-------	-------	.047413	-------	-------
44	FINANCE INS. AND R.E.	.111115	.059033	.034983	-------	-------	.000316	-------	-------
45	SERVICES	.054446	.069361	.037255	-------	-------	.106468	-------	-------
46	GOVERNMENT ENTERPRISE	.014361	.008371	.001344	-------	-------	-------	-------	-------
47	NONCOMPETITIVE IMPORTS	.000505	.000506	.019698	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	.000124	-------	-------	-------	-------	.066155	.019032	-------
49	DUMMY INDUSTRIES	.009784	.019713	.005630	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------
52	EMPLOYEE COMPENSATION	.132612	.355009	.452942	-------	-------	-------	.932693	-------
53	INDIRECT BUSINESS TAXES	.125252	.012514	.003865	-------	-------	-------	-------	-------
54	PROPERTY TYPE INCOME	.431382	.221902	.111772	-------	-------	-------	.048275	1.000000
55	TOTAL	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000	1.000000

TABLE C3. DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	10.381822	2,876867	3,263817	-------	-------	-------	-------	-------	-------	11,512972
2	OTHER AGRICULTURAL PROD.	20.344842	2,357771	9,863695	-------	-------	-------	-------	,059564	-------	6,343269
3	FOREST AND FISH PRODUCTS	1,356510	3,222415	1,177838	-------	-------	-------	-------	,120081	-------	,298571
4	IRON ORES MINING	-------	-------	-------	,773770	,039389	-------	,003365	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	,622282	4,338459	-------	,036953	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	,456332	,003084	-------	-------	-------
7	OTHER MINING	,007345	,182743	-------	,200044	,182961	,000788	3,270137	,355628	,009195	,021648
8	CONSTRUCTION	,293561	,500085	-------	,666050	,367023	1,222433	,292999	,011058	,087708	,104750
9	ORDNANCE AND ACCESSORIES	-------	-------	-------	-------	-------	-------	-------	-------	2,114322	-------
10	FOOD PRODUCTS AND TOBACCO	2,318721	-------	,282483	-------	-------	-------	-------	-------	-------	3,256517
11	TEXTILE AND APPAREL	,016681	,141169	1,177177	,056911	,003025	,015845	,236531	,134133	,118336	,073924
12	LUMBER AND WOOD PRODUCTS	,004335	,184924	,135345	,101549	,323912	-------	,179615	2,632684	,356963	,062524
13	PAPER AND PRODUCTS	,016456	,004704	,794379	,005133	,009095	,002183	,116687	,084430	,207852	,022697
14	PRINTING AND PUBLISHING	,009432	,016931	,005132	,008150	,005777	,001891	,002171	,000917	,006628	,261939
15	CHEMICALS AND PRODUCTS	,049591	1,628073	,101695	,319068	,621740	,220475	,387320	,030206	,451593	,086707
16	OTHER CHEMICAL PRODUCTS	,035528	-------	,010979	-------	-------	,012002	,000310	,259711	,003210	,002315
17	PETROLEUM REFINING	,037019	,215453	,059889	,016748	,022362	,014911	,115908	,133081	,016577	,015348
18	RUBBER AND PLASTICS	,038672	,187327	,017583	,269932	,170221	,073644	,318413	,235284	,298177	,301673
19	LEATHER AND PRODUCTS	,019554	-------	,011411	-------	-------	-------	-------	-------	,003067	,001282
20	GLASS AND PRODUCTS	,008367	-------	-------	-------	-------	-------	-------	,112937	,006397	,470367
21	STONE AND CLAY PRODUCTS	,003035	,036429	,005494	,021814	,072158	,233383	,843996	2,812699	,059061	,000391
22	PRIMARY IRON AND STEEL	-------	-------	-------	,689405	,727711	,229936	,490087	,492771	1,409846	,003887
23	PRIMARY NONFERROUS METALS	,000824	,000817	-------	,042332	,011845	-------	,041848	,444642	,540911	,001257
24	HTNG,PLMG,AND STRL, METAL	-------	-------	-------	,004430	,002355	,124377	,036590	3,399704	,019431	-------
25	OTHER FABRICATED METALS	,083533	,066275	,471933	,086218	,196131	,145380	,369128	,671964	,869338	,868470
26	ENGINES AND TURBINES	-------	-------	,027793	,062609	,146449	,088248	,162633	,024259	,014493	-------
27	MACHINERY AND EQUIPMENT	,015613	,404912	,003290	,616146	1,777814	,575369	1,063813	,351076	,888084	,897569
28	OFFICE MACHINES	-------	-------	-------	-------	-------	-------	-------	,236921	,043006	-------
29	OTHER ELECTRICAL EQPT.	,018217	,056811	,015888	,046726	,037261	,463742	,104570	,989347	1,999341	,002677
30	SHIPBUILDING AND REPAIR	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
31	OTHER TRANSPORT EQPT.	,005821	,012408	,093287	,083281	,034176	-------	,002725	,001283	3,117538	,001099
32	INSTRUMENTS	-------	-------	,001778	,004706	,010007	,025387	-------	,120611	,680777	,005772
33	MISCELLANEOUS MFG.	,003138	,003369	,042655	,007877	,016750	,000914	,006296	,089458	,019628	,004184
61	U,S. MERCHANT MARINE	,029294	,047762	,012610	,056215	,005603	,008152	,020125	,027257	,006564	,047808
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	1,272737	,807629	,484258	,466103	,455492	,183290	,476631	1,459122	,461538	1,454389
41	COMMUNICATIONS	,105859	,106396	-------	,051872	,070910	,035533	,068441	,141250	,414904	,133516
42	UTILITIES	,054311	,123299	,010066	,481576	,425990	,197025	,490598	,012279	,084322	,114120
43	WHOLESALE/RETAIL	4,300351	5,290290	1,630302	1,032030	1,670047	1,149237	2,030435	7,874597	2,463160	3,393684
44	FINANCE INS. AND R.E.	,478701	1,667080	,480862	1,632348	,902591	3,360927	1,088301	,263433	,139956	,235698
45	SERVICES	,854602	3,252560	,090348	2,464704	1,029356	1,183993	2,201163	3,538011	1,943014	2,679123
46	GOVERNMENT ENTERPRISE	,006576	,007060	,007453	,036630	,041951	,020598	,037543	,031262	,063180	,047129
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	42,171048	23,401556	20,279444	10,932668	13,718562	10,045997	14,498414	27,151662	18,916492	32,785275
53	LABOR OUTPUT RATIO	56,694856	74,387087	68,899771	14,681425	32,682927	18,349234	39,481123	38,584431	29,550960	19,229703
54	EMP. MULTIPLIER (DIRECT)	,743825	,314592	,294333	,744660	,419747	,547489	,367224	,703695	,640131	1,704929

TABLE C3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	,310680	------	------	------	------	,043538	------	------	,154236	------
2	OTHER AGRICULTURAL PROD.	1,844834	,428755	------	------	,116160	,278904	------	------	------	------
3	FOREST AND FISH PRODUCTS	,240002	3,225651	------	------	,037152	,012005	------	,000930	------	------
4	IRON ORES MINING	------	------	------	------	,029829	------	------	------	------	------
5	NONFERROUS ORES MINING	------	------	------	------	,099676	------	------	------	------	------
6	CRUDE OIL AND NATURAL GAS	------	------	------	------	,038943	------	7,860819	------	------	------
7	OTHER MINING	,016713	,014211	,265358	,001250	1,258075	,096053	,107283	,104239	,015555	,501694
8	CONSTRUCTION	,073865	,169005	,246110	,137116	,267971	,150145	,519799	,178058	,055741	,321791
9	ORDNANCE AND ACCESSORIES	------	,022379	------	,005879	,014022	------	------	,003190	------	------
10	FOOD PRODUCTS AND TOBACCO	,018953	,005483	,113871	------	,160510	,475158	,021956	,048781	,946693	------
11	TEXTILE AND APPAREL	20,973359	1,185241	,525952	,247438	,065281	,048030	,004966	1,938915	3,154870	,068248
12	LUMBER AND WOOD PRODUCTS	,029005	11,209084	2,597833	,022461	,117333	,020949	,002735	,123669	,447570	,722877
13	PAPER AND PRODUCTS	,240125	,293274	7,304719	4,566815	,445385	,876715	,176726	,869217	,540114	1,772194
14	PRINTING AND PUBLISHING	,020054	,011737	,359815	5,213235	,009400	,087739	,004742	,020668	,027553	,009971
15	CHEMICALS AND PRODUCTS	,216488	,167206	,677840	,371000	3,846043	2,586608	,467474	3,133641	,228123	,465728
16	OTHER CHEMICAL PRODUCTS	,019381	,164872	,030453	,014388	,333399	,992820	,073940	,124629	,175696	,122653
17	PETROLEUM REFINING	,007237	,037335	,039172	,012344	,527363	,043477	,460989	,042796	,008410	,012150
18	RUBBER AND PLASTICS	2,031882	,645057	,783142	,206347	1,078618	1,569621	,074609	4,774285	2,280779	,783977
19	LEATHER AND PRODUCTS	,131024	,020312	,006941	,004167	,003124	,000850	,001464	,086169	12,508630	------
20	GLASS AND PRODUCTS	,068064	,160923	,003218	------	,021129	,570445	------	,087713	------	2,972341
21	STONE AND CLAY PRODUCTS	,025634	,245775	,061082	------	,110482	,086186	,091030	,124892	,014273	,707175
22	PRIMARY IRON AND STEEL	,000061	,528851	,043922	,013457	,229735	,024056	,008999	,061997	------	------
23	PRIMARY NONFERROUS METALS	,000655	,059659	,020309	,034866	,269564	,040866	,029165	,037657	,003280	,144627
24	HTNG,PLMG,AND STRL. METAL	,000651	,050918	,000509	------	,002333	,000997	,003293	,018068	------	,013210
25	OTHER FABRICATED METALS	,058022	1,172661	,419445	,366570	,486235	1,348545	,134665	,459184	,566746	,032194
26	ENGINES AND TURBINES	------	,000893	------	------	------	------	------	------	------	------
27	MACHINERY AND EQUIPMENT	,133520	,206217	,271170	,058015	,551393	,050713	,127789	,334849	,172368	,156809
28	OFFICE MACHINES	,001750	,028053	,005137	,000835	,005045	,002979	------	,003184	------	,003239
29	OTHER ELECTRICAL EQPT.	,015958	,067605	,026128	,021181	,044987	,019717	,018123	,044159	,026751	,008958
30	SHIPBUILDING AND REPAIR	------	------	------	------	------	------	------	,004924	------	------
31	OTHER TRANSPORT EQPT.	,002307	,033823	------	,001382	,019672	,004768	,002644	,075744	,002390	,099177
32	INSTRUMENTS	,039317	,077679	,060561	,343185	,025841	,146423	,027075	,036356	,110081	,077721
33	MISCELLANEOUS MFG.	,352421	,087964	,031979	,075140	,039105	,041364	,001358	,193984	,355620	,080703
61	U.S. MERCHANT MARINE	,009161	,037516	,044809	,003878	,076110	,026093	,391315	,046844	,012644	,015312
62	FOREIGN SHIPS	------	------	------	------	------	------	------	------	------	------
39	SERVICE TO WATER TRANS.	------	------	------	------	------	------	------	------	------	------
40	OTHER TRANS. AND STORAGE	,589387	1,200127	1,920349	,680337	1,335602	,861931	2,116376	,984316	,682817	1,490337
41	COMMUNICATIONS	,131981	,145974	,143041	,487420	,141205	,192064	,039279	,179391	,164043	,148444
42	UTILITIES	,120169	,144307	,297601	,093981	,518481	,074289	,294393	,210440	,096853	,613421
43	WHOLESALE/RETAIL	2,965065	3,587691	2,981409	2,457829	2,317723	2,998903	1,108809	3,112209	4,322366	3,066965
44	FINANCE INS. AND R.E.	,302420	,330345	,357334	,995635	,555671	,681857	,653078	,384698	,404743	,485674
45	SERVICES	1,050430	1,501580	1,674623	3,210187	2,135318	9,877571	1,999127	2,242798	1,798139	2,151649
46	GOVERNMENT ENTERPRISE	,079175	,045716	,047062	,022122	,089459	,083724	,030424	,041555	,132770	,062766
47	NONCOMPETITIVE IMPORTS	------	------	------	------	------	------	------	------	------	------
48	COMPETITIVE IMPORTS	------	------	------	------	------	------	------	------	------	------
49	DUMMY INDUSTRIES	------	------	------	------	------	------	------	------	------	------
50	MISCELLANEOUS INDUSTRIES	------	------	------	------	------	------	------	------	------	------
51	INVENTORY VALUE ADJ.	------	------	------	------	------	------	------	------	------	------
52	COLUMN SUM	32,119747	27,313880	21,360894	20,268460	17,423373	24,416162	16,854443	20,134148	29,409854	17,185203
53	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,460757	65,834897	45,777427
54	EMP. MULTIPLIER (DIRECT)	,647344	,555311	,716035	,427847	,861212	1,204562	2,481706	,620261	,446721	,375408

TABLE C3. DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
4	IRON ORES MINING	,012916	,692581	,003236	-------	,000408	-------	-------	-------	,002305	-------
5	NONFERROUS ORES MINING	,036756	,058931	1,647927	-------	-------	-------	-------	-------	,004622	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	3,191504	,916742	,034998	,005681	,023061	,019611	,009311	,005611	,007718	,006175
8	CONSTRUCTION	,345741	,354427	,128492	,123988	,117438	,120034	,121717	,091937	,114104	,150874
9	ORDNANCE AND ACCESSORIES	-------	,001956	,000142	,029291	,021957	,183863	,024729	,005682	,115106	,139816
10	FOOD PRODUCTS AND TOBACCO	,010639	,000424	,007371	-------	,001223	-------	,002975	,002090	-------	-------
11	TEXTILE AND APPAREL	,360005	,033784	,051591	,048785	,098183	,027240	,059514	,046461	,069342	,069846
12	LUMBER AND WOOD PRODUCTS	,145427	,124660	,201272	,288200	,259741	,015430	,130715	,128302	,377351	,475256
13	PAPER AND PRODUCTS	,711308	,025673	,047314	,188150	,393187	,109964	,054997	,181073	,308776	,016331
14	PRINTING AND PUBLISHING	,014608	,005824	,029736	,005680	,284800	,003715	,014416	,374280	,043644	,003705
15	CHEMICALS AND PRODUCTS	,373945	,250060	,178756	,022156	,137785	,008991	,018725	,032475	,133298	,003164
16	OTHER CHEMICAL PRODUCTS	,023531	,009073	,012529	,178717	,156894	,022786	,026934	,050162	,046622	,038837
17	PETROLEUM REFINING	,064120	,024877	,015718	,018295	,017352	,027342	,030603	,010220	,014096	,016996
18	RUBBER AND PLASTICS	,527568	,034484	,332073	,067983	,375594	,064494	,361855	,322952	,670277	,053310
19	LEATHER AND PRODUCTS	,019107	,005396	,017665	,001053	,016480	,013769	,013189	,006605	,013144	,002574
20	GLASS AND PRODUCTS	,013701	,002886	,001755	,204187	,042018	-------	,006501	,004210	,407746	,093280
21	STONE AND CLAY PRODUCTS	4,718544	,150147	,079789	,129393	,138713	,369029	,310802	,194340	,235643	,247891
22	PRIMARY IRON AND STEEL	,327339	5,480987	,470217	6,972242	6,481993	2,902393	3,101400	,950671	,865498	2,161570
23	PRIMARY NONFERROUS METALS	,045277	,525993	6,257516	1,365807	1,180073	,990751	,524059	,579291	,824265	,708670
24	HTNG,PLMG,AND STRL. METAL	,037483	,082430	,012030	,920086	,173273	,128239	,341245	,480190	,061129	2,188464
25	OTHER FABRICATED METALS	,409682	,735112	,412279	1,747005	1,462847	1,063900	1,201056	1,285552	1,212979	,956976
26	ENGINES AND TURBINES	,022773	,005162	,007454	,063050	,024834	2,021337	,398300	,011409	,068338	1,385232
27	MACHINERY AND EQUIPMENT	,727529	1,171714	,668322	1,253926	1,180682	4,659619	5,185056	1,117234	,627189	3,242874
28	OFFICE MACHINES	,011723	,006694	,004424	,417714	,079606	-------	,076947	3,115839	,228613	,030284
29	OTHER ELECTRICAL EQPT.	,149268	,415948	,515524	,566949	,200235	1,715711	1,214452	7,270289	7,577480	,511339
30	SHIPBUILDING AND REPAIR	-------	,000345	-------	,207857	,011093	,188907	,044561	-------	-------	,378882
31	OTHER TRANSPORT EQPT.	,001617	,108017	,057374	,205687	,333756	1,741645	,291494	,360605	,299192	,267976
32	INSTRUMENTS	,020095	,067515	,013565	,223353	,099938	,062212	,128808	,320735	,338078	,186107
33	MISCELLANEOUS MFG.	,170247	,015731	,036636	,011345	,084593	-------	,028096	,097991	,076933	,003581
61	U.S. MERCHANT MARINE	,105014	,168884	,020548	,011263	,011076	,006406	,005437	,001280	,004905	,003593
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	3,248185	2,158673	1,181180	,919577	,773869	,451500	,469780	,361731	,409630	,644948
41	COMMUNICATIONS	,223833	,129256	,090807	,258910	,168746	,181284	,238102	,235144	,289949	,240838
42	UTILITIES	,557456	,445985	,351652	,130535	,155412	,085471	,109088	,061573	,110935	,123804
43	WHOLESALE/RETAIL	2,597906	2,909909	3,536242	3,233442	2,009588	3,344822	3,210632	3,734836	3,035487	3,011838
44	FINANCE INS. AND R.E.	,540818	,165179	,257603	,410696	,316132	,184846	,453840	,621796	,396610	,208340
45	SERVICES	2,027583	1,903236	,979041	1,676311	1,497088	1,280009	1,610000	1,685776	2,151488	1,186079
46	GOVERNMENT ENTERPRISE	,077998	,039348	,027786	,044390	,037101	,044965	,052215	,048071	,062547	,049962
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	21,871246	19,228044	17,690563	21,951703	18,366770	22,040285	19,871549	23,796416	21,202626	18,808014
53	LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	36,625100	34,962451	27,292691	37,963738	30,775019	40,738276	54,743099
54	EMP. MULTIPLIER (DIRECT)	,517494	,665399	,910711	,599327	,525328	,807553	,523435	,773238	,520462	,343569

TABLE C3. DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	,005052	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	,057638	,060294	-------	-------	-------	,006287	-------	-------	,004553
3	FOREST AND FISH PRODUCTS	-------	-------	,017672	-------	-------	-------	,003893	-------	-------	,058413
4	IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------	-------	,000118	,000218
5	NONFERROUS ORES MINING	-------	,007746	-------	-------	-------	-------	-------	-------	,000613	,000160
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	,010170	-------	1,239671	-------
7	OTHER MINING	,010790	,011517	,025317	,018663	-------	,015922	,004977	,001228	,947437	,001885
8	CONSTRUCTION	,098545	,134711	,096080	,418593	-------	,324538	1,045069	,982458	1,175491	,124257
9	ORDNANCE AND ACCESSORIES	,184125	,057378	,016738	-------	-------	-------	-------	-------	,000158	,006856
10	FOOD PRODUCTS AND TOBACCO	-------	,021912	,039047	,012272	-------	,009970	,067958	-------	,000927	,106033
11	TEXTILE AND APPAREL	,593848	,502058	1,310308	,444471	-------	,343019	,103527	,011461	,022282	,087877
12	LUMBER AND WOOD PRODUCTS	,325109	,131374	,893633	-------	-------	-------	,002566	-------	,001318	,075030
13	PAPER AND PRODUCTS	,060138	,608065	1,334908	,055703	-------	,039529	,056279	,029287	,029336	,288049
14	PRINTING AND PUBLISHING	,005072	,019865	,175681	,012317	-------	,008188	,049628	,087333	,009266	,109787
15	CHEMICALS AND PRODUCTS	,021689	,421038	,115459	-------	-------	-------	,020095	,000449	,030791	,026650
16	OTHER CHEMICAL PRODUCTS	,055024	,109386	,126943	,104920	-------	,081742	,017446	,000990	,000163	,042350
17	PETROLEUM REFINING	,016274	,009348	,020541	,186846	-------	,145548	,272439	,019761	,050025	,057170
18	RUBBER AND PLASTICS	,545581	,719936	2,019734	,067916	-------	,028051	,195779	,034896	,021570	,146800
19	LEATHER AND PRODUCTS	,002040	,033007	,384864	-------	-------	-------	-------	-------	,000176	,016442
20	GLASS AND PRODUCTS	,238990	,251213	,159490	,113608	-------	,089667	,027361	-------	-------	,036344
21	STONE AND CLAY PRODUCTS	,094665	,067422	,112468	,016982	-------	,012174	,007992	,000188	,000793	,042979
22	PRIMARY IRON AND STEEL	1,731665	,491012	,760025	,274566	-------	,213090	,130447	-------	,031358	,006545
23	PRIMARY NONFERROUS METALS	,438377	,706348	,770814	,173089	-------	,134290	,007051	,008629	,005673	,004994
24	MTNG.PLMG.AND STRL. METAL	,094296	,034506	,024768	-------	-------	-------	-------	-------	,000103	,042558
25	OTHER FABRICATED METALS	2,278209	1,228307	1,006614	,758598	-------	,590160	,078420	,000777	,025013	,069233
26	ENGINES AND TURBINES	,180050	-------	-------	,035479	-------	,026730	,033990	-------	,001243	,002840
27	MACHINERY AND EQUIPMENT	1,442948	,576897	,131049	,294313	-------	,229646	,093898	,000337	,038044	,085309
28	OFFICE MACHINES	,198731	,065085	,086500	-------	-------	-------	,002609	-------	-------	,025714
29	OTHER ELECTRICAL EQPT.	1,239194	2,501486	,591243	,059698	-------	,042245	,106781	,521907	,000557	,185982
30	SHIPBUILDING AND REPAIR	,051592	,010480	-------	2,281124	-------	1,775571	-------	-------	-------	,000536
31	OTHER TRANSPORT EQPT.	6,255229	,236419	,129602	,078883	-------	,063112	,297955	,003735	,001843	,032316
32	INSTRUMENTS	,298536	3,182917	,069282	,192985	-------	,148917	,020867	,006379	,000118	,057766
33	MISCELLANEOUS MFG.	,031087	,174872	2,881984	,047614	-------	,034289	,010448	,007118	,000123	,008943
61	U.S. MERCHANT MARINE	,006300	,004188	,006547	2,499977	-------	,021176	,034952	,002858	,043583	,007500
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	7,700810	-------	,634942	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	,735867	,332850	,725531	3,206325	-------	,984648	5,717153	,108310	,815681	,437105
41	COMMUNICATIONS	,168556	,301146	,209442	,279955	-------	,218359	,438667	,684388	,114831	,466476
42	UTILITIES	,080163	,081881	,088272	,064260	-------	,048575	,120276	,136978	3,182974	,254364
43	WHOLESALE/RETAIL	2,226533	3,334939	4,447697	1,512044	-------	1,150653	3,314843	,864398	,535434	2,046884
44	FINANCE INS. AND R.E.	,226217	,412477	,447404	,760805	-------	,647371	,839914	,559587	,200462	1,358777
45	SERVICES	1,982269	2,736251	2,602002	2,061783	-------	1,604118	2,353312	5,719279	,721747	4,570859
46	GOVERNMENT ENTERPRISE	,054414	,068093	,105566	,250890	-------	6,732484	1,379866	,199310	7,386552	,715975
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	21,972122	19,643768	22,013517	23,985090	-------	16,398724	16,937966	9,992040	16,715385	11,584729
53	LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	30,631780	-------	65,214887	59,760532	43,071319	17,207470	98,876446
54	EMP. MULTIPLIER (DIRECT)	,862442	,478765	,480813	,783013	*********	,251457	,283431	,231988	,971403	,117164

TABLE C3, DIRECT EMPLOYMENT REQUIREMENTS PER MILLION DOLLARS OF GROSS OUTPUT

		44	45	46	47	48	49	50	51
1	LIVESTOCK AND PRODUCTS	.396993	.026090	-------	-------	-------	.110851	-------	-------
2	OTHER AGRICULTURAL PROD.	.552850	.117310	1.677636	-------	-------	.542236	-------	-------
3	FOREST AND FISH PRODUCTS	.068555	.011425	.004769	-------	-------	.218421	-------	-------
4	IRON ORES MINING	.000328	-------	-------	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	.002050	-------	-------	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	.018770	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	.017607	.004338	.330203	-------	-------	-------	-------	-------
8	CONSTRUCTION	1.747964	.340167	3.941879	-------	-------	-------	-------	-------
9	ORDNANCE AND ACCESSORIES	.001982	.000157	-------	-------	-------	.082274	-------	-------
10	FOOD PRODUCTS AND TOBACCO	.017402	.064596	.134098	-------	-------	3.841365	-------	-------
11	TEXTILE AND APPAREL	.030355	.106435	.072693	-------	-------	.251483	-------	-------
12	LUMBER AND WOOD PRODUCTS	.012128	.003439	-------	-------	-------	.011516	-------	-------
13	PAPER AND PRODUCTS	.054752	.074622	.035275	-------	-------	1.112398	-------	-------
14	PRINTING AND PUBLISHING	.168037	3.176511	.150286	-------	-------	4.716395	-------	-------
15	CHEMICALS AND PRODUCTS	.037998	.041620	.148200	-------	-------	.019842	-------	-------
16	OTHER CHEMICAL PRODUCTS	.014503	.241675	.043960	-------	-------	.100427	-------	-------
17	PETROLEUM REFINING	.034222	.034696	.055117	-------	-------	.004985	-------	-------
18	RUBBER AND PLASTICS	.035807	.214797	.077327	-------	-------	.053814	-------	-------
19	LEATHER AND PRODUCTS	.002781	.096721	.006455	-------	-------	.180794	-------	-------
20	GLASS AND PRODUCTS	.005175	.044297	.005809	-------	-------	.011876	-------	-------
21	STONE AND CLAY PRODUCTS	.009686	.070113	.012189	-------	-------	.006953	-------	-------
22	PRIMARY IRON AND STEEL	.011074	.002059	.014001	-------	-------	.385993	-------	-------
23	PRIMARY NONFERROUS METALS	.004404	.000737	.000896	-------	-------	.191376	-------	-------
24	MTNG.PLMG.AND STRL. METAL	.010891	-------	.000668	-------	-------	.096784	-------	-------
25	OTHER FABRICATED METALS	.009294	.452782	.031459	-------	-------	.436483	-------	-------
26	ENGINES AND TURBINES	.000644	.018740	.020308	-------	-------	.020896	-------	-------
27	MACHINERY AND EQUIPMENT	.069677	.243752	.036131	-------	-------	.203225	-------	-------
28	OFFICE MACHINES	.050596	.079624	.006035	-------	-------	.047515	-------	-------
29	OTHER ELECTRICAL EQPT.	.062497	.284519	.010104	-------	-------	.606803	-------	-------
30	SHIPBUILDING AND REPAIR	.001292	-------	.005999	-------	-------	.025633	-------	-------
31	OTHER TRANSPORT EQPT.	.027375	.226812	.024247	-------	-------	.213436	-------	-------
32	INSTRUMENTS	.016259	.276419	.012306	-------	-------	.644121	-------	-------
33	MISCELLANEOUS MFG.	.010521	.337656	.006602	-------	-------	1.338712	-------	-------
61	U.S. MERCHANT MARINE	.010255	.007548	.171913	-------	-------	.071715	-------	-------
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	-------	-------	-------	-------	-------	-------	-------
40	OTHER TRANS. AND STORAGE	.429594	.333913	3.980566	-------	-------	17.496172	-------	-------
41	COMMUNICATIONS	.321848	1.506102	.156762	-------	-------	-------	-------	-------
42	UTILITIES	.088482	.256102	1.258321	-------	-------	-------	-------	-------
43	WHOLESALE/RETAIL	1.357329	2.877937	1.071056	-------	-------	4.687994	-------	-------
44	FINANCE INS. AND R.E.	2.225673	1.182449	.700720	-------	-------	.006337	-------	-------
45	SERVICES	3.661868	4.665007	2.505674	-------	-------	7.160693	-------	-------
46	GOVERNMENT ENTERPRISE	.705747	.411359	.066045	-------	-------	-------	-------	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	12.305266	17.832528	16.775710	-------	-------	44.899520	-------	-------
53	LABOR OUTPUT RATIO	20.030434	67.256720	49.143167	-------	-------	-------	-------	-------
54	EMP. MULTIPLIER (DIRECT)	.614328	.265141	.341364	**********				

TABLE C4, DIRECT, AND INDIRECT OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND (PRODUCERS' PRICES)

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	1.301193	.075453	.093017	.002524	.002447	.003739	.002583	.003604	.003378	.328164
2	OTHER AGRICULTURAL PROD.	.392632	1.064888	.172325	.002866	.002695	.003945	.003018	.005372	.003502	.208237
3	FOREST AND FISH PRODUCTS	.046263	.053105	1.028381	.000793	.001071	.000915	.000915	.006026	.001387	.022826
4	IRON ORES MINING	.000611	.000794	.000542	1.057904	.006127	.001188	.002350	.003756	.005594	.000565
5	NONFERROUS ORES MINING	.000585	.000908	.000434	.024063	1.154196	.000648	.002461	.003776	.004692	.000718
6	CRUDE OIL AND NATURAL GAS	.015752	.024872	.010469	.007567	.028906	1.031046	.015884	.015114	.007213	.011684
7	OTHER MINING	.006041	.011487	.003304	.010395	.011254	.003596	1.096930	.020695	.006532	.005886
8	CONSTRUCTION	.026393	.027291	.009450	.029207	.020521	.045840	.019070	1.011783	.011960	.019233
9	ORDNANCE AND ACCESSORIES	.000186	.000229	.000177	.000226	.000323	.000273	.000281	.000593	1.078960	.000224
10	FOOD PRODUCTS AND TOBACCO	.194571	.017162	.035993	.004841	.005845	.006255	.005680	.008678	.010099	1.258322
11	TEXTILE AND APPAREL	.008532	.011320	.046360	.005209	.003481	.003396	.012912	.013755	.014022	.010739
12	LUMBER AND WOOD PRODUCTS	.006530	.009252	.008888	.006382	.012989	.004547	.006589	.074719	.016943	.009921
13	PAPER AND PRODUCTS	.017508	.011691	.042925	.005973	.006869	.006150	.013179	.018964	.022161	.058404
14	PRINTING AND PUBLISHING	.009540	.009404	.005043	.007322	.005986	.006891	.007451	.011362	.010500	.018645
15	CHEMICALS AND PRODUCTS	.051755	.115058	.030848	.026185	.050649	.019040	.054982	.018815	.043680	.042704
16	OTHER CHEMICAL PRODUCTS	.006224	.004735	.002768	.002436	.002619	.003012	.002718	.018500	.004428	.008173
17	PETROLEUM REFINING	.032070	.052042	.021958	.009627	.012709	.008579	.027616	.030941	.012457	.022121
18	RUBBER AND PLASTICS	.013547	.017014	.010533	.015267	.013440	.007352	.019537	.021608	.026582	.024488
19	LEATHER AND PRODUCTS	.000778	.000365	.000540	.000255	.000243	.000231	.000510	.000524	.000546	.000537
20	GLASS AND PRODUCTS	.002987	.000830	.000840	.000527	.000546	.000577	.000581	.004629	.002734	.014577
21	STONE AND CLAY PRODUCTS	.003703	.004793	.001915	.004126	.005616	.010836	.027520	.079067	.005803	.003356
22	PRIMARY IRON AND STEEL	.009817	.010689	.009411	.042714	.054937	.022629	.039585	.072488	.109615	.017388
23	PRIMARY NONFERROUS METALS	.005973	.007395	.004848	.010661	.011632	.008084	.012540	.057340	.071343	.008555
24	HTNG,PLMG,AND STRL, METAL	.002878	.003056	.001231	.003370	.003016	.008099	.003652	.092579	.003547	.002381
25	OTHER FABRICATED METALS	.015438	.010870	.020231	.009480	.015468	.010815	.019745	.039450	.054569	.041203
26	ENGINES AND TURBINES	.000602	.000800	.001483	.003540	.008152	.004271	.008082	.002393	.003343	.000650
27	MACHINERY AND EQUIPMENT	.011255	.020001	.006699	.027216	.070222	.023595	.043197	.027552	.050976	.013284
28	OFFICE MACHINES	.000977	.001096	.000562	.000996	.000954	.001404	.000965	.011357	.004648	.001022
29	OTHER ELECTRICAL EQPT,	.005701	.006846	.003528	.006684	.008102	.019687	.009357	.041374	.082249	.005440
30	SHIPBUILDING AND REPAIR	.000197	.000206	.000112	.000206	.000179	.000134	.000192	.000548	.000359	.000228
31	OTHER TRANSPORT EQPT,	.003974	.004091	.007096	.007628	.006172	.003071	.004125	.006909	.181767	.004532
32	INSTRUMENTS	.001554	.001683	.001079	.001559	.001802	.002210	.001574	.006497	.023714	.002202
33	MISCELLANEOUS MFG,	.001687	.001806	.002368	.001545	.001780	.001437	.001783	.004890	.003214	.002183
61	U.S. MERCHANT MARINE	.003422	.003441	.001661	.002994	.001305	.001426	.002035	.002845	.001807	.003904
62	FOREIGN SHIPS	.001699	.001994	.006856	.053612	.037858	.006995	.002907	.001995	.002162	.002440
39	SERVICE TO WATER TRANS,	.000408	.000410	.000198	.000357	.000156	.000122	.000243	.000339	.000216	.000466
40	OTHER TRANS. AND STORAGE	.054839	.033936	.026012	.022765	.025515	.018355	.026486	.055456	.037368	.061420
41	COMMUNICATIONS	.010975	.009605	.003997	.006145	.006207	.005703	.006877	.012145	.017796	.012442
42	UTILITIES	.020373	.023062	.009751	.045340	.044966	.021700	.048775	.020034	.022860	.025452
43	WHOLESALE/RETAIL	.101213	.079911	.042853	.026042	.035615	.027926	.058947	.110847	.056724	.088275
44	FINANCE INS. AND R.E.	.101523	.132581	.061600	.114124	.076757	.207297	.087897	.054007	.037674	.073747
45	SERVICES	.074293	.087520	.030565	.063539	.041948	.046651	.062187	.097725	.071925	.098245
46	GOVERNMENT ENTERPRISE	.009102	.009068	.004592	.011254	.010935	.008356	.011796	.009399	.008904	.010722
47	NONCOMPETITIVE IMPORTS	.004497	.002146	.009460	.001249	.001137	.000950	.001276	.002945	.002010	.018942
48	COMPETITIVE IMPORTS	.029147	.031562	.126141	.340886	.237811	.081307	.047191	.026242	.035940	.037171
49	DUMMY INDUSTRIES	.010318	.010213	.011697	.013339	.016750	.018897	.015658	.022363	.031873	.015582
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT. (INDIRECT)	2.619262	2.006684	1.920740	2.042938	2.047909	1.716579	1.801422	2.151800	2.209726	2.615404
53	DOMESTIC MULT.(INDIRECT)	2.583919	1.970982	1.778284	1.647192	1.771104	1.629327	1.750047	2.120618	2.169614	2.556851

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	.019347	.009081	.006555	.004064	.006808	.014454	.003583	.005391	.028363	.002864
2	OTHER AGRICULTURAL PROD.	.053742	.022424	.007059	.004612	.007911	.014790	.003797	.006859	.021116	.003364
3	FOREST AND FISH PRODUCTS	.009749	.063667	.005466	.001620	.002063	.002260	.000894	.001730	.003724	.001924
4	IRON ORES MINING	.000590	.002657	.001147	.000732	.004316	.001698	.000988	.001592	.000888	.000652
5	NONFERROUS ORES MINING	.000637	.001316	.000989	.000809	.006696	.001827	.000849	.001885	.000767	.001304
6	CRUDE OIL AND NATURAL GAS	.008329	.009510	.012615	.007206	.056858	.016053	.479462	.018226	.007471	.009842
7	OTHER MINING	.005473	.005618	.015152	.005118	.048488	.012990	.007979	.015078	.005013	.021684
8	CONSTRUCTION	.013099	.014954	.019469	.010666	.024239	.018388	.042974	.017480	.012020	.019608
9	ORDNANCE AND ACCESSORIES	.000219	.001320	.000344	.000495	.000896	.000404	.000237	.000517	.000256	.000255
10	FOOD PRODUCTS AND TOBACCO	.012082	.009022	.019706	.010640	.021255	.045739	.007593	.014562	.084707	.007602
11	TEXTILE AND APPAREL	1.745800	.062223	.034569	.018654	.010674	.012243	.003967	.085794	.148956	.010324
12	LUMBER AND WOOD PRODUCTS	.006451	1.300257	.094371	.019093	.009764	.006633	.005127	.011296	.020723	.029318
13	PAPER AND PRODUCTS	.032351	.029577	1.339060	.237387	.036550	.061836	.015691	.060122	.047831	.093677
14	PRINTING AND PUBLISHING	.008528	.008075	.020672	1.136427	.010110	.023444	.008426	.010643	.010299	.008730
15	CHEMICALS AND PRODUCTS	.059335	.032179	.071748	.044054	1.260658	.191765	.044202	.239414	.052568	.047683
16	OTHER CHEMICAL PRODUCTS	.005571	.014234	.006644	.004535	.025083	1.059883	.007628	.014460	.015694	.010072
17	PETROLEUM REFINING	.014241	.017282	.021637	.012326	.113075	.030923	1.084591	.034136	.012936	.012594
18	RUBBER AND PLASTICS	.136452	.042317	.049855	.022485	.058017	.076939	.010781	1.195539	.122618	.040588
19	LEATHER AND PRODUCTS	.004861	.001007	.000679	.000547	.000512	.000788	.000303	.002506	1.235509	.000376
20	GLASS AND PRODUCTS	.003698	.005840	.001370	.000799	.001831	.015567	.000798	.003563	.002170	1.070301
21	STONE AND CLAY PRODUCTS	.003790	.011299	.005870	.002801	.008625	.006669	.009968	.007664	.003238	.023403
22	PRIMARY IRON AND STEEL	.009078	.051515	.019593	.012576	.031356	.025391	.017528	.021206	.015349	.010288
23	PRIMARY NONFERROUS METALS	.006494	.017343	.010936	.010153	.034717	.017651	.010278	.015937	.008818	.017783
24	MTNG.PLMG,AND STRL. METAL	.001724	.003919	.002557	.002002	.003270	.002533	.006086	.002885	.001741	.002654
25	OTHER FABRICATED METALS	.011195	.054338	.027715	.021004	.028819	.056256	.013697	.027893	.032256	.009908
26	ENGINES AND TURBINES	.000509	.000801	.000774	.000487	.001413	.000832	.002410	.000877	.000553	.000684
27	MACHINERY AND EQUIPMENT	.013705	.017138	.018802	.009386	.031473	.014503	.018705	.023072	.014643	.012203
28	OFFICE MACHINES	.000878	.002267	.001232	.001023	.001307	.001614	.001271	.001164	.000903	.000992
29	OTHER ELECTRICAL EQPT.	.005101	.008323	.006411	.006057	.008813	.008074	.012562	.007439	.005814	.007581
30	SHIPBUILDING AND REPAIR	.000129	.000202	.000219	.000112	.000349	.000204	.000800	.000346	.000141	.000129
31	OTHER TRANSPORT EQPT.	.003470	.006849	.004173	.003579	.005711	.006545	.003817	.008622	.003984	.008334
32	INSTRUMENTS	.003367	.004457	.004241	.012392	.002966	.007448	.002795	.003311	.005567	.003900
33	MISCELLANEOUS MFG.	.016415	.004922	.003556	.004355	.003266	.004835	.001610	.008123	.013646	.003913
61	U.S. MERCHANT MARINE	.001727	.002982	.003472	.001426	.005979	.002927	.015978	.003847	.001877	.001734
62	FOREIGN SHIPS	.002700	.009949	.003540	.001002	.003810	.001742	.007079	.002116	.001760	.004049
39	SERVICE TO WATER TRANS.	.000206	.000356	.000414	.000170	.000713	.000349	.001905	.000459	.000224	.000207
40	OTHER TRANS. AND STORAGE	.037135	.047367	.069919	.040439	.055434	.047409	.059482	.047224	.038063	.049679
41	COMMUNICATIONS	.011079	.010126	.010808	.019828	.010882	.016736	.007451	.012010	.011811	.009325
42	UTILITIES	.026838	.025478	.041169	.022770	.062262	.027891	.038756	.037740	.022920	.059419
43	WHOLESALE/RETAIL	.074730	.069282	.063886	.051753	.053731	.064393	.035904	.063658	.083559	.053108
44	FINANCE INS. AND R.E.	.059015	.052193	.055919	.089581	.080455	.084701	.149208	.060889	.060224	.054073
45	SERVICES	.060433	.060676	.067778	.090078	.080378	.207868	.071575	.079707	.073602	.064443
46	GOVERNMENT ENTERPRISE	.010966	.009339	.012632	.022392	.016627	.012431	.012406	.011641	.011545	.014381
47	NONCOMPETITIVE IMPORTS	.005043	.002520	.002411	.001895	.004902	.006216	.003063	.012483	.005523	.001776
48	COMPETITIVE IMPORTS	.044225	.070380	.096958	.024849	.060275	.031094	.083636	.040413	.037360	.043604
49	DUMMY INDUSTRIES	.017457	.015796	.027859	.026608	.020710	.031809	.015130	.022337	.017269	.018580
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT. (INDIRECT)	2.567963	2.212377	2.291953	2.027891	2.324048	2.298746	2.332970	2.264056	2.306020	1.868911
53	DOMESTIC MULT.(INDIRECT)	2.515995	2.129528	2.189044	2.000145	2.255061	2.259694	2.239192	2.209043	2.261376	1.819482

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	.003060	.004434	.006617	.004062	.003421	.003395	.003175	.004099	.003280	.002799
2	OTHER AGRICULTURAL PROD.	.003642	.004177	.005823	.003962	.003455	.003272	.003137	.003966	.003396	.002878
3	FOREST AND FISH PRODUCTS	.001115	.001115	.001557	.001344	.001205	.000915	.000950	.001222	.001406	.001319
4	IRON ORES MINING	.002915	.003019	.003308	.017362	.015741	.009776	.009351	.004725	.003921	.007904
5	NONFERROUS ORES MINING	.002689	.007799	.006817	.009167	.007872	.007350	.004692	.005265	.005959	.005507
6	CRUDE OIL AND NATURAL GAS	.015151	.010690	.009595	.008153	.007884	.007735	.007458	.005966	.006415	.006240
7	OTHER MINING	.104677	.036364	.006881	.012346	.012124	.009015	.008116	.005626	.005770	.006965
8	CONSTRUCTION	.023499	.023388	.016279	.016951	.015231	.014337	.013828	.013630	.012941	.013463
9	ORDNANCE AND ACCESSORIES	.000275	.000582	.000580	.001769	.001361	.000722	.001807	.001859	.005671	.006216
10	FOOD PRODUCTS AND TOBACCO	.007810	.014055	.021791	.012162	.010131	.010316	.009151	.011854	.009358	.008196
11	TEXTILE AND APPAREL	.020839	.006167	.008362	.007500	.009719	.008203	.007731	.006933	.012135	.007444
12	LUMBER AND WOOD PRODUCTS	.010855	.008699	.012530	.014459	.013423	.007396	.008787	.011642	.017773	.017700
13	PAPER AND PRODUCTS	.044906	.012067	.016511	.020941	.029545	.016829	.013036	.026069	.020927	.010585
14	PRINTING AND PUBLISHING	.008889	.012077	.015181	.011783	.016540	.010189	.009654	.021502	.011499	.008266
15	CHEMICALS AND PRODUCTS	.041091	.028867	.030457	.018770	.026493	.014346	.014768	.018484	.026277	.011080
16	OTHER CHEMICAL PRODUCTS	.004631	.003832	.004163	.013144	.011544	.004867	.004668	.006990	.006460	.005398
17	PETROLEUM REFINING	.024465	.015411	.013436	.012761	.012274	.013150	.012694	.009846	.010438	.009983
18	RUBBER AND PLASTICS	.031910	.010721	.026237	.014172	.024425	.016285	.023755	.028653	.039752	.011644
19	LEATHER AND PRODUCTS	.000806	.000569	.001035	.000530	.000778	.000766	.000703	.000701	.000779	.000448
20	GLASS AND PRODUCTS	.001164	.001078	.001179	.006213	.002100	.002011	.001488	.003568	.012727	.003554
21	STONE AND CLAY PRODUCTS	1.131317	.009248	.006328	.008705	.008298	.016059	.013316	.010695	.011087	.011522
22	PRIMARY IRON AND STEEL	.034879	1.263079	.053019	.346352	.313078	.194307	.186184	.092973	.075988	.157197
23	PRIMARY NONFERROUS METALS	.013687	.062231	1.487780	.136878	.116034	.114035	.068884	.083085	.092706	.086212
24	HTNG,PLMG,AND STRL. METAL	.004154	.006017	.003083	1.028536	.007937	.008262	.013184	.017297	.004473	.062826
25	OTHER FABRICATED METALS	.023494	.038177	.029147	.074275	1.062376	.001683	.056512	.065705	.057219	.050190
26	ENGINES AND TURBINES	.002701	.002128	.002173	.004669	.002717	1.084471	.019395	.002754	.004518	.058025
27	MACHINERY AND EQUIPMENT	.035763	.055446	.043163	.064706	.058314	.176531	1.177349	.056548	.036841	.124591
28	OFFICE MACHINES	.001521	.001648	.001495	.017143	.004349	.002850	.004884	1.116315	.011433	.003561
29	OTHER ELECTRICAL EQPT.	.011529	.024142	.030478	.035632	.019667	.075737	.053300	.255414	1.240447	.032906
30	SHIPBUILDING AND REPAIR	.000337	.000531	.000224	.004223	.000497	.004189	.001237	.000260	.000192	1.007649
31	OTHER TRANSPORT EQPT.	.004736	.012845	.010005	.020076	.024794	.108498	.025362	.030976	.025587	.027447
32	INSTRUMENTS	.002434	.004814	.003540	.009580	.005647	.006205	.006751	.014476	.013516	.008177
33	MISCELLANEOUS MFG.	.006357	.003199	.004835	.003130	.004418	.002679	.003020	.005685	.004654	.002183
61	U.S. MERCHANT MARINE	.005607	.008709	.002424	.003457	.003198	.002318	.002128	.001478	.001515	.001829
62	FOREIGN SHIPS	.002486	.008212	.011710	.003845	.004096	.003121	.002904	.002203	.002481	.002098
39	SERVICE TO WATER TRANS.	.000669	.001038	.000289	.000412	.000381	.000276	.000254	.000176	.000181	.000218
40	OTHER TRANS. AND STORAGE	.087156	.077786	.069260	.057332	.049486	.041962	.037147	.037159	.033670	.038739
41	COMMUNICATIONS	.012283	.010169	.009242	.014139	.010870	.012494	.012762	.014688	.014744	.012334
42	UTILITIES	.060273	.054251	.050964	.034798	.033977	.026773	.025536	.021694	.024484	.025482
43	WHOLESALE/RETAIL	.052419	.060409	.077069	.070379	.052984	.071942	.063297	.075472	.062189	.060808
44	FINANCE INS. AND R.E.	.067200	.045642	.051658	.057402	.047605	.044214	.055031	.071636	.053115	.039325
45	SERVICES	.068693	.071863	.059777	.073114	.063894	.064742	.063247	.073815	.073649	.054253
46	GOVERNMENT ENTERPRISE	.016377	.014319	.013561	.011324	.010311	.009539	.009146	.009347	.009248	.008749
47	NONCOMPETITIVE IMPORTS	.002589	.002675	.006523	.002220	.002078	.003549	.002400	.002213	.004008	.001645
48	COMPETITIVE IMPORTS	.037032	.095709	.175131	.052944	.059807	.062144	.061133	.049238	.056279	.031689
49	DUMMY INDUSTRIES	.017731	.047838	.075426	.039191	.031172	.033686	.028646	.038009	.028689	.026280
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT. (INDIRECT)	2.057811	2.247236	2.566643	2.382103	2.223252	2.401100	2.151958	2.343914	2.165783	2.082615
53	DOMESTIC MULT.(INDIRECT)	2.015705	2.140640	2.373279	2.323093	2.157271	2.332326	2.085521	2.290259	2.103014	2.047183

TABLE C4. DIRECT, AND INDIRECT OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND (PRODUCERS' PRICES)

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	.003504	.003971	.004871	.002954	-------	.002658	.003745	.002153	.002489	.004781
2	OTHER AGRICULTURAL PROD.	.004101	.005007	.007029	.003867	-------	.005951	.005028	.002216	.006649	.004657
3	FOREST AND FISH PRODUCTS	.001498	.001236	.002867	.000802	-------	.000816	.000918	.000541	.000947	.001735
4	IRON ORES MINING	.007566	.002748	.002964	.001948	-------	.001356	.000800	.000278	.000640	.000332
5	NONFERROUS ORES MINING	.004807	.005096	.004700	.001828	-------	.001277	.000486	.000330	.000551	.000306
6	CRUDE OIL AND NATURAL GAS	.007070	.006363	.007560	.020293	-------	.014826	.025225	.003933	.094803	.007856
7	OTHER MINING	.007248	.005370	.006175	.003811	-------	.004367	.002931	.001521	.036673	.002115
8	CONSTRUCTION	.013886	.012883	.012915	.026259	-------	.030756	.041700	.031523	.066227	.013632
9	ORDNANCE AND ACCESSORIES	.009667	.003024	.001081	.000554	-------	.000382	.000281	.000192	.000155	.000424
10	FOOD PRODUCTS AND TOBACCO	.009559	.011328	.012794	.007055	-------	.006208	.009986	.005852	.005866	.013729
11	TEXTILE AND APPAREL	.034529	.026150	.061541	.021936	-------	.014983	.007174	.002432	.004031	.006819
12	LUMBER AND WOOD PRODUCTS	.017160	.010679	.033863	.004492	-------	.004043	.004452	.003230	.005851	.004916
13	PAPER AND PRODUCTS	.017167	.042206	.078404	.010532	-------	.007693	.009177	.007196	.006732	.019902
14	PRINTING AND PUBLISHING	.011205	.011365	.015193	.008365	-------	.006700	.008628	.012739	.006072	.012915
15	CHEMICALS AND PRODUCTS	.019948	.045321	.037221	.009233	-------	.008023	.009181	.003623	.010678	.007893
16	OTHER CHEMICAL PRODUCTS	.007833	.010054	.011221	.009254	-------	.006775	.003557	.002387	.002739	.004361
17	PETROLEUM REFINING	.011830	.010781	.013187	.043048	-------	.029817	.052624	.006423	.018200	.013504
18	RUBBER AND PLASTICS	.039453	.041591	.093624	.010322	-------	.006837	.012546	.004683	.005927	.009781
19	LEATHER AND PRODUCTS	.000631	.001218	.008377	.000339	-------	.000263	.000261	.000311	.000204	.000639
20	GLASS AND PRODUCTS	.008979	.008120	.005366	.004080	-------	.002829	.001428	.000597	.000618	.001454
21	STONE AND CLAY PRODUCTS	.007901	.005496	.006555	.004331	-------	.004003	.004426	.002998	.007037	.002867
22	PRIMARY IRON AND STEEL	.150150	.052349	.057076	.038315	-------	.026576	.015462	.005281	.011770	.006148
23	PRIMARY NONFERROUS METALS	.072588	.076312	.074962	.028421	-------	.019697	.006642	.004938	.006619	.004268
24	HTNG,PLMG,AND STRL. METAL	.006781	.003345	.002820	.006032	-------	.005240	.004241	.003075	.006612	.002680
25	OTHER FABRICATED METALS	.107037	.053667	.044795	.036080	-------	.024759	.009159	.004812	.006974	.007836
26	ENGINES AND TURBINES	.011487	.001257	.000789	.005305	-------	.003619	.002103	.000325	.001184	.000484
27	MACHINERY AND EQUIPMENT	.077348	.031680	.016167	.023649	-------	.016419	.008657	.003189	.008307	.006119
28	OFFICE MACHINES	.011449	.004379	.004552	.001165	-------	.000987	.001224	.000986	.001138	.001761
29	OTHER ELECTRICAL EQPT.	.064074	.090133	.026616	.009519	-------	.006932	.008836	.019492	.008918	.007027
30	SHIPBUILDING AND REPAIR	.001538	.000365	.000150	.050095	-------	.033183	.000192	.000055	.000244	.000093
31	OTHER TRANSPORT EQPT.	1.336118	.019734	.012244	.010422	-------	.007113	.019537	.002656	.002613	.004170
32	INSTRUMENTS	.013900	1.087190	.004519	.008043	-------	.005497	.002168	.001866	.001317	.003133
33	MISCELLANEOUS MFG.	.003868	.007090	1.070286	.003006	-------	.002101	.001672	.001879	.001151	.003332
61	U.S. MERCHANT MARINE	.002074	.001364	.001695	1.000432	-------	.002567	.002763	.000530	.003804	.000979
62	FOREIGN SHIPS	.002417	.002443	.003940	.000938	1.000000	.000676	.000639	.000233	.001001	.000353
39	SERVICE TO WATER TRANS.	.000247	.000163	.000202	.130028	-------	1.010138	.000329	.000063	.000454	.000117
40	OTHER TRANS. AND STORAGE	.046181	.030568	.039989	.084711	-------	.041031	1.121433	.013308	.043925	.022368
41	COMMUNICATIONS	.012883	.014579	.012425	.013875	-------	.010021	.016200	1.021377	.007697	.016522
42	UTILITIES	.025284	.021000	.023119	.017769	-------	.023412	.019772	.015122	1.251331	.025898
43	WHOLESALE/RETAIL	.060549	.062235	.076379	.038655	-------	.028526	.052057	.020341	.024703	1.033473
44	FINANCE INS. AND R.E.	.047309	.052529	.057282	.077172	-------	.060353	.074936	.046179	.053991	.093992
45	SERVICES	.079364	.080665	.080278	.067453	-------	.051826	.065331	.106495	.042549	.093459
46	GOVERNMENT ENTERPRISE	.009770	.008715	.010456	.031243	-------	.145383	.037356	.008946	.191499	.022149
47	NONCOMPETITIVE IMPORTS	.003517	.002104	.023093	.113321	-------	.077376	.010761	.006722	.004926	.001634
48	COMPETITIVE IMPORTS	.048506	.057436	.089788	.018001	-------	.010256	.013174	.004713	.018189	.006798
49	DUMMY INDUSTRIES	.029506	.028543	.025196	.015934	-------	.011853	.013434	.018976	.012098	.022441
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	GROSS MULT, .(INDIRECT)	2.469490	2.059851	2.186330	2.114888	1.000000	1.786105	1.712632	1.406717	1.996094	1.518850
53	DOMESTIC MULT.(INDIRECT)	2.415049	1.997867	2.069508	1.982628	-------	1.697797	1.688058	1.395049	1.971978	1.509265

TABLE C4. DIRECT, AND INDIRECT OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND (PRODUCERS' PRICES)

		44	45	46	47	48	49	50	51
1	LIVESTOCK AND PRODUCTS	.013019	.005589	.006167	-------	-------	.072288	-------	-------
2	OTHER AGRICULTURAL PROD.	.014488	.006570	.028316	-------	-------	.054807	-------	-------
3	FOREST AND FISH PRODUCTS	.002623	.001223	.002465	-------	-------	.009436	-------	-------
4	IRON ORES MINING	.000442	.000724	.000724	-------	-------	.002122	-------	-------
5	NONFERROUS ORES MINING	.000476	.000611	.000676	-------	-------	.002004	-------	-------
6	CRUDE OIL AND NATURAL GAS	.007105	.007317	.016248	-------	-------	.013851	-------	-------
7	OTHER MINING	.002877	.003042	.015395	-------	-------	.005085	-------	-------
8	CONSTRUCTION	.057291	.020624	.116158	-------	-------	.023665	-------	-------
9	ORDNANCE AND ACCESSORIES	.000233	.000389	.000187	-------	-------	.003566	-------	-------
10	FOOD PRODUCTS AND TOBACCO	.008134	.014105	.014191	-------	-------	.260888	-------	-------
11	TEXTILE AND APPAREL	.003716	.009210	.006521	-------	-------	.021510	-------	-------
12	LUMBER AND WOOD PRODUCTS	.005566	.004855	.009669	-------	-------	.012190	-------	-------
13	PAPER AND PRODUCTS	.009049	.028523	.009264	-------	-------	.097435	-------	-------
14	PRINTING AND PUBLISHING	.013032	.088160	.011244	-------	-------	.132075	-------	-------
15	CHEMICALS AND PRODUCTS	.008219	.014890	.018689	-------	-------	.027657	-------	-------
16	OTHER CHEMICAL PRODUCTS	.003433	.015710	.006030	-------	-------	.011686	-------	-------
17	PETROLEUM REFINING	.011181	.011809	.020918	-------	-------	.027074	-------	-------
18	RUBBER AND PLASTICS	.005481	.016279	.009347	-------	-------	.023870	-------	-------
19	LEATHER AND PRODUCTS	.000329	.002301	.000382	-------	-------	.004289	-------	-------
20	GLASS AND PRODUCTS	.000751	.002102	.001142	-------	-------	.004808	-------	-------
21	STONE AND CLAY PRODUCTS	.005282	.004625	.010292	-------	-------	.004379	-------	-------
22	PRIMARY IRON AND STEEL	.007810	.013647	.013333	-------	-------	.040978	-------	-------
23	PRIMARY NONFERROUS METALS	.005599	.008444	.009012	-------	-------	.030020	-------	-------
24	HTNG,PLMG,AND STRL. METAL	.005790	.002474	.010921	-------	-------	.005679	-------	-------
25	OTHER FABRICATED METALS	.005805	.022802	.009290	-------	-------	.036450	-------	-------
26	ENGINES AND TURBINES	.000443	.001396	.001567	-------	-------	.002309	-------	-------
27	MACHINERY AND EQUIPMENT	.006285	.013735	.007978	-------	-------	.020048	-------	-------
28	OFFICE MACHINES	.003116	.004110	.001959	-------	-------	.003635	-------	-------
29	OTHER ELECTRICAL EQPT.	.007107	.015676	.007782	-------	-------	.029879	-------	-------
30	SHIPBUILDING AND REPAIR	.000121	.000119	.000519	-------	-------	.000796	-------	-------
31	OTHER TRANSPORT EQPT.	.003888	.015641	.004885	-------	-------	.022832	-------	-------
32	INSTRUMENTS	.002030	.010266	.002121	-------	-------	.021673	-------	-------
33	MISCELLANEOUS MFG.	.001803	.010367	.001759	-------	-------	.034649	-------	-------
61	U.S. MERCHANT MARINE	.001073	.001123	.007341	-------	-------	.004992	-------	-------
62	FOREIGN SHIPS	.000347	.000526	.000591	-------	-------	.003000	-------	-------
39	SERVICE TO WATER TRANS.	.000128	.000134	.000875	-------	-------	.000595	-------	-------
40	OTHER TRANS. AND STORAGE	.021816	.026454	.091281	-------	-------	.357919	-------	-------
41	COMMUNICATIONS	.013156	.043207	.009762	-------	-------	.016818	-------	-------
42	UTILITIES	.013902	.028616	.099487	-------	-------	.023341	-------	-------
43	WHOLESALE/RETAIL	.030243	.049327	.036038	-------	-------	.104533	-------	-------
44	FINANCE INS. AND R.E.	1.142745	.094181	.067149	-------	-------	.071378	-------	-------
45	SERVICES	.082818	1.108853	.070400	-------	-------	.184238	-------	-------
46	GOVERNMENT ENTERPRISE	.020683	.018039	1.021600	-------	-------	.020374	-------	-------
47	NONCOMPETITIVE IMPORTS	.001741	.002307	.022312	1.000000	-------	.008912	-------	-------
48	COMPETITIVE IMPORTS	.006115	.010814	.009502	-------	1.000000	.095654	.019032	-------
49	DUMMY INDUSTRIES	.015912	.029124	.013027	-------	-------	1.019419	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	1.000000	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	1.000000
52	GROSS MULT. (INDIRECT)	1.573205	1.790042	1.824514	1.000000	1.000000	2.974806	1.019032	1.000000
53	DOMESTIC MULT.(INDIRECT)	1.565002	1.776393	1.792110	-------	-------	2.867240	1.000000	1.000000

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	73,770945	4,277794	5,273563	,143094	,138733	,212000	,146449	,204350	,191042	18,605195
2	OTHER AGRICULTURAL PROD.	29,266727	79,213936	12,818774	,213177	,200492	,293452	,224526	,399610	,260517	15,490164
3	FOREST AND FISH PRODUCTS	3,187517	3,658926	70,855191	,054626	,073801	,063637	,063074	,415170	,095585	1,572849
4	IRON ORES MINING	,008972	,011664	,007958	15,531542	,089950	,017445	,034507	,055148	,082125	,014170
5	NONFERROUS ORES MINING	,019135	,029661	,014197	,786450	37,722488	,021187	,080445	,123411	,153336	,023459
6	CRUDE OIL AND NATURAL GAS	,289041	,456382	,192103	,138842	,163417	18,918903	,291459	,277328	,132357	,214366
7	OTHER MINING	,238510	,453521	,130454	,410417	,444327	,141962	43,308009	,817060	,257896	,232393
8	CONSTRUCTION	1,018370	1,052991	,364630	1,126922	,791804	1,768721	,735801	59,039088	,461478	,742881
9	ORDNANCE AND ACCESSORIES	,005494	,006778	,005224	,006666	,009556	,008076	,008292	,017531	31,884296	,006625
10	FOOD PRODUCTS AND TOBACCO	3,741539	,330025	,692141	,093096	,112399	,120285	,109229	,166873	,194208	24,197166
11	TEXTILE AND APPAREL	,423337	,561674	2,300264	,258448	,172707	,153631	,640678	,682502	,694757	,532843
12	LUMBER AND WOOD PRODUCTS	,321201	,455083	,437161	,313907	,636901	,223656	,422471	3,675152	,833384	,487990
13	PAPER AND PRODUCTS	,522289	,348777	1,280561	,178181	,204925	,183475	,393172	,565730	,661111	1,742324
14	PRINTING AND PUBLISHING	,451934	,445515	,238882	,346883	,285587	,326464	,352026	,538256	,497428	,883271
15	CHEMICALS AND PRODUCTS	1,047076	2,327754	,624099	,576220	1,024696	,385193	,707729	,380651	,883696	,823493
16	OTHER CHEMICAL PRODUCTS	,126168	,095975	,056100	,049378	,053081	,061056	,055098	,370928	,089343	,165667
17	PETROLEUM REFINING	,217605	,353441	,149125	,065384	,086312	,058265	,187551	,210135	,084599	,150235
18	RUBBER AND PLASTICS	,439733	,552280	,341896	,495566	,436257	,238658	,627679	,701399	,862875	,794902
19	LEATHER AND PRODUCTS	,051197	,024010	,035571	,016757	,015971	,015210	,020417	,034509	,035965	,035321
20	GLASS AND PRODUCTS	,136739	,037998	,038469	,024132	,024991	,031003	,026594	,211887	,125168	,667287
21	STONE AND CLAY PRODUCTS	,156494	,202568	,080938	,174386	,237344	,457986	1,163117	3,341669	,245242	,141856
22	PRIMARY IRON AND STEEL	,263676	,308873	,271961	1,234293	1,587503	,653920	1,143840	2,094698	3,167556	,502463
23	PRIMARY NONFERROUS METALS	,116018	,143650	,094174	,207083	,225947	,157025	,243599	1,113821	1,385839	,166185
24	HTNG,PLMG,AND STRL. METAL	,111181	,118051	,047556	,130170	,116479	,312828	,141040	3,575888	,136999	,091975
25	OTHER FABRICATED METALS	,539758	,380059	,707324	,331442	,540814	,378103	,690331	1,379272	1,907850	1,440549
26	ENGINES AND TURBINES	,016432	,021829	,040466	,096612	,222502	,116563	,220592	,065325	,091233	,017739
27	MACHINERY AND EQUIPMENT	,427263	,759307	,254304	1,033228	2,665892	,895752	1,639922	1,045972	1,935249	,504321
28	OFFICE MACHINES	,030054	,033742	,017299	,030644	,029371	,043223	,029692	,349505	,143049	,031461
29	OTHER ELECTRICAL EQPT.	,232248	,278892	,143711	,272282	,330076	,802010	,381204	1,685506	3,350696	,221604
30	SHIPBUILDING AND REPAIR	,010786	,011302	,006105	,011299	,009825	,007313	,010521	,029974	,019632	,012475
31	OTHER TRANSPORT EQPT.	,101248	,104225	,180786	,194340	,157242	,078232	,105096	,176018	4,630824	,115449
32	INSTRUMENTS	,063776	,069056	,044254	,063967	,073956	,090686	,064575	,266578	,972974	,090368
33	MISCELLANEOUS MFG.	,077239	,082695	,108431	,070714	,081494	,065771	,081618	,223878	,147128	,099567
61	U.S. MERCHANT MARINE	,104826	,105412	,050886	,091708	,039987	,031431	,062343	,087134	,055365	,119591
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,026612	,026761	,012919	,023282	,010152	,007979	,015827	,022121	,014056	,030361
40	OTHER TRANS. AND STORAGE	3,277180	2,028013	1,554467	1,360421	1,524790	1,096927	1,582828	3,314086	2,233102	3,670504
41	COMMUNICATIONS	,472707	,413711	,172144	,264680	,267339	,245631	,296204	,523093	,766487	,535893
42	UTILITIES	,350574	,396844	,167796	,780182	,773753	,373397	,839290	,344737	,393359	,437962
43	WHOLESALE/RETAIL	10,007550	7,901338	4,237177	2,574952	3,521458	2,761207	3,850987	10,960186	5,608644	8,708558
44	FINANCE INS. AND R.E.	2,033549	2,655656	1,233866	2,285956	1,537482	4,152245	1,760618	1,081784	,754628	1,477188
45	SERVICES	4,996691	5,886327	2,055726	4,273448	2,821294	3,137580	4,182503	6,572669	4,837458	6,594173
46	GOVERNMENT ENTERPRISE	,447286	,445637	,225667	,553078	,537394	,410658	,579707	,461890	,437546	,526932
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	139,106880	117,068130	107,564340	36,881864	60,000488	39,518147	67,520663	87,602522	71,716051	92,919387
53	LABOR OUTPUT RATIO	55,694856	74,387087	68,899771	14,681425	32,682927	18,349234	39,481123	38,584431	29,550960	19,229703
54	EMP.MULTIPLIER(INDIRECT)	2,453607	1,573770	1,561171	2,512145	1,835836	2,153667	1,710201	2,270411	2,426860	4,832870

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	1,096886	,514860	,371616	,230385	,385985	,819460	,203154	,305640	1,628044	,162370
2	OTHER AGRICULTURAL PROD.	3,997720	1,668043	,525119	,343054	,588478	1,100195	,282476	,510209	1,570744	,250253
3	FOREST AND FISH PRODUCTS	,671697	4,386658	,376623	,111587	,142118	,155736	,061584	,119189	,256589	,132533
4	IRON ORES MINING	,026657	,039013	,016836	,010753	,063360	,024936	,014508	,023375	,013043	,009568
5	NONFERROUS ORES MINING	,020822	,043016	,032320	,026453	,218835	,059701	,027752	,061001	,025083	,042608
6	CRUDE OIL AND NATURAL GAS	,152828	,174506	,231477	,132232	1,043308	,294563	8,797762	,334434	,137094	,180593
7	OTHER MINING	,216070	,221814	,598235	,202076	1,914355	,512857	,315031	,595306	,197934	,856118
8	CONSTRUCTION	,505399	,577011	,751209	,643047	,935244	,709499	1,658146	,674449	,463794	,756549
9	ORDNANCE AND ACCESSORIES	,006468	,038994	,010161	,014633	,026468	,011937	,006999	,015292	,007551	,007529
10	FOOD PRODUCTS AND TOBACCO	,232325	,173492	,378939	,204607	,408735	,879546	,146014	,280032	1,628883	,146178
11	TEXTILE AND APPAREL	86,622691	3,087345	1,715258	,925566	,529623	,607491	,196849	4,256901	7,390856	,512265
12	LUMBER AND WOOD PRODUCTS	,317327	63,955225	4,641786	,939134	,480244	,424614	,252197	,555604	1,019273	1,442077
13	PAPER AND PRODUCTS	,965107	,882358	39,947088	7,081781	1,090379	1,844711	,468094	1,793563	1,426907	2,794580
14	PRINTING AND PUBLISHING	,404017	,382533	,979289	53,836155	,478933	1,110615	,399170	,504197	,487902	,413589
15	CHEMICALS AND PRODUCTS	1,200427	,651023	1,451540	,891261	25,504632	3,879636	,894252	4,843646	1,063517	,964678
16	OTHER CHEMICAL PRODUCTS	,112914	,288524	,134671	,091924	,508424	21,483567	,154612	,293092	,318123	,204154
17	PETROLEUM REFINING	,096715	,117370	,146945	,083711	,767944	,210014	7,365971	,231835	,087857	,085531
18	RUBBER AND PLASTICS	4,429347	1,373650	1,618341	,729888	1,883275	2,497488	,349965	38,808104	3,980258	1,317524
19	LEATHER AND PRODUCTS	,319992	,066290	,044720	,036010	,033698	,051879	,019930	,164979	81,339609	,024723
20	GLASS AND PRODUCTS	,169275	,267335	,062721	,036591	,083838	,712604	,036536	,163118	,099315	48,995646
21	STONE AND CLAY PRODUCTS	,160198	,477542	,248092	,118367	,364508	,281856	,421272	,323894	,136832	,099118
22	PRIMARY IRON AND STEEL	,262333	1,488632	,566177	,363420	,906108	,753722	,506495	,612799	,443551	,297295
23	PRIMARY NONFERROUS METALS	,126141	,336883	,212436	,197221	,674384	,342865	,199659	,309568	,171289	,345431
24	HTNG,PLMG,AND STRL. METAL	,066587	,151385	,098764	,077346	,126322	,097837	,235059	,111415	,067238	,102522
25	OTHER FABRICATED METALS	,391406	1,899790	,968987	,769813	1,007574	1,966845	,478893	,975202	1,127736	,346410
26	ENGINES AND TURBINES	,013904	,021871	,021121	,013291	,038554	,022694	,065774	,023938	,015106	,010872
27	MACHINERY AND EQUIPMENT	,520277	,650632	,713802	,356340	1,194841	,550578	,710119	,875906	,555897	,403256
28	OFFICE MACHINES	,027032	,069771	,037922	,031492	,040232	,049660	,039121	,035813	,027793	,030917
29	OTHER ELECTRICAL EQPT.	,207804	,339057	,261172	,246760	,359039	,328928	,511742	,303063	,236847	,308853
30	SHIPBUILDING AND REPAIR	,007063	,011034	,011968	,008157	,019091	,011166	,043799	,018953	,007717	,009841
31	OTHER TRANSPORT EQPT.	,088397	,174489	,106323	,091179	,145497	,166741	,097234	,219656	,101589	,212323
32	INSTRUMENTS	,138152	,182884	,174021	,508461	,121686	,305604	,114687	,135832	,228432	,160807
33	MISCELLANEOUS MFG.	,751549	,225351	,162828	,199402	,149545	,221384	,073716	,371882	,624746	,179166
61	U.S. MERCHANT MARINE	,052905	,091344	,106341	,043688	,183139	,089667	,489427	,117839	,057503	,053109
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,013431	,023190	,026997	,011091	,046494	,022764	,124251	,029916	,014598	,013483
40	OTHER TRANS. AND STORAGE	2,219199	2,830669	4,178380	2,416652	3,312782	2,833211	3,554664	2,822113	2,274675	2,968868
41	COMMUNICATIONS	,477167	,436133	,465494	,854037	,468706	,720828	,320904	,517296	,508696	,401643
42	UTILITIES	,461814	,438405	,708423	,381821	1,071364	,479934	,666884	,649408	,394399	1,022448
43	WHOLESALE/RETAIL	7,389036	6,850383	6,316826	5,117194	5,312748	6,366984	3,550025	6,314041	8,262052	5,251150
44	FINANCE INS. AND R.E.	1,182087	1,045449	1,120090	1,794347	1,611556	1,696589	2,988710	1,219630	1,206324	1,083108
45	SERVICES	4,064509	4,080837	4,558551	6,058354	5,405963	13,980548	4,813900	5,360829	4,950224	4,334211
46	GOVERNMENT ENTERPRISE	,538922	,458929	,620780	1,100395	,817126	,610908	,609687	,572098	,567368	,706724
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	120,706600	101,193720	75,720395	87,333664	60,465134	69,272363	42,267027	76,455658	125,102890	78,594419
53	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,460757	65,834897	45,777427
54	EMP.MULTIPLIER(INDIRECT)	2,432730	2,057343	2,538211	1,843525	2,988705	3,417525	6,223543	2,355326	1,900252	1,716882

		2^1	2^2	2^3	2^4	2^5	2^6	2^7	2^8	2^9	3^0
1	LIVESTOCK AND PRODUCTS	.173475	.251360	.375125	.230286	.193933	.192477	.180023	.232378	.185962	.158680
2	OTHER AGRICULTURAL PROD.	.270907	.310713	.433151	.294758	.256995	.243418	.233389	.295018	.252601	.214108
3	FOREST AND FISH PRODUCTS	.076840	.076822	.107293	.092617	.083045	.063053	.065450	.084208	.096888	.092895
4	IRON ORES MINING	.042795	.925204	.048573	.254895	.231096	.143529	.137293	.069364	.057566	.116037
5	NONFERROUS ORES MINING	.087893	.254882	2.837429	.299588	.257267	.240212	.153364	.172089	.194754	.182599
6	CRUDE OIL AND NATURAL GAS	.278017	.196158	.176054	.149604	.144671	.141932	.136855	.109470	.117715	.114498
7	OTHER MINING	4.132750	1.435700	.271678	.487417	.478680	.355904	.320415	.222197	.227822	.275760
8	CONSTRUCTION	.906702	.902410	.628123	.654060	.587686	.553168	.533547	.525918	.499326	.519470
9	ORDNANCE AND ACCESSORIES	.008115	.017210	.017147	.052281	.040213	.257736	.053395	.054925	.167589	.183691
10	FOOD PRODUCTS AND TOBACCO	.150182	.270274	.419039	.233864	.194810	.198366	.175974	.227947	.179792	.157487
11	TEXTILE AND APPAREL	1.033998	.305980	.414880	.372112	.482233	.407017	.383572	.443232	.502877	.369368
12	LUMBER AND WOOD PRODUCTS	.533906	.427890	.616296	.711206	.660255	.363765	.432199	.572618	.874182	.872596
13	PAPER AND PRODUCTS	1.339648	.359986	.492574	.624702	.881405	.502059	.388881	.777691	.862951	.315702
14	PRINTING AND PUBLISHING	.421118	.572104	.719149	.558203	.783529	.482665	.457352	1.018633	.544737	.391569
15	CHEMICALS AND PRODUCTS	.831321	.584007	.616185	.379734	.535986	.290235	.298768	.373960	.531609	.224166
16	OTHER CHEMICAL PRODUCTS	.093866	.077672	.084382	.266422	.234002	.098658	.094623	.141684	.130944	.109419
17	PETROLEUM REFINING	.166153	.104662	.091249	.086669	.083361	.089308	.086211	.066866	.070892	.067800
18	RUBBER AND PLASTICS	1.035834	.348025	.851688	.460032	.792860	.528630	.771102	.930107	1.290371	.377984
19	LEATHER AND PRODUCTS	.053036	.037444	.068131	.034914	.051197	.050410	.046257	.046137	.051287	.029493
20	GLASS AND PRODUCTS	.053306	.049332	.053989	.284427	.096145	.092053	.068096	.163348	.582621	.162716
21	STONE AND CLAY PRODUCTS	47.813694	.390858	.267456	.371730	.350695	.678696	.562789	.452002	.468585	.486964
22	PRIMARY IRON AND STEEL	1.007886	36.499222	1.532095	10.008528	9.047009	5.614884	5.380173	2.686644	2.195816	4.542523
23	PRIMARY NONFERROUS METALS	.265870	1.208833	28.900146	2.658861	2.253968	2.215130	1.338074	1.613922	1.800810	1.674667
24	HTNG,PLMG,AND STRL. METAL	.160436	.232418	.119094	39.727309	.306576	.319137	.509246	.668095	.172778	2.395771
25	OTHER FABRICATED METALS	.821414	1.334773	1.019042	2.596828	37.143278	2.156572	1.975808	2.297198	2.000525	1.754774
26	ENGINES AND TURBINES	.073707	.058069	.059301	.127431	.074146	29.598138	.529340	.075169	.123382	1.583671
27	MACHINERY AND EQUIPMENT	1.357688	2.104929	1.638638	2.856485	2.213799	6.701762	44.696553	2.146792	1.398624	4.729536
28	OFFICE MACHINES	.046820	.050704	.046010	.527566	.133828	.087699	.150307	34.354609	.351846	.109575
29	OTHER ELECTRICAL EQPT.	.469682	.983507	1.241629	1.451602	.801196	3.085389	2.171339	10.405134	50.533689	1.340531
30	SHIPBUILDING AND REPAIR	.018440	.029063	.012249	.231106	.027226	.229325	.067723	.014234	.010486	55.161822
31	OTHER TRANSPORT EQPT.	.120652	.327259	.254892	.511463	.631658	2.764173	.646137	.789153	.651863	.699249
32	INSTRUMENTS	.099857	.197524	.145231	.393080	.231715	.254589	.277000	.593951	.554543	.335512
33	MISCELLANEOUS MFG.	.291034	.146461	.221362	.143319	.202261	.122676	.138272	.260278	.213057	.099548
61	U.S. MERCHANT MARINE	.171755	.266761	.074252	.105905	.097967	.071012	.065191	.045282	.046411	.056010
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	.043604	.067723	.018850	.026886	.024871	.018028	.016550	.011496	.011783	.014219
40	OTHER TRANS. AND STORAGE	5.208507	4.648503	4.139006	3.426177	2.957321	2.507700	2.219913	2.220620	2.012145	2.315071
41	COMMUNICATIONS	.529053	.438010	.398082	.608988	.468202	.538140	.549662	.632630	.635061	.531242
42	UTILITIES	1.037138	.933528	.876957	.598792	.584666	.460690	.439411	.373304	.421315	.438463
43	WHOLESALE/RETAIL	5.182990	5.973067	7.620280	6.958821	5.238840	7.113335	6.258563	7.462402	6.149008	6.012440
44	FINANCE INS. AND R.E.	1.346048	.914231	1.034738	1.149777	.953551	.885628	1.102304	1.434890	1.063916	.787706
45	SERVICES	4.620033	4.833292	4.020384	4.917396	4.297329	4.354309	4.253768	4.964572	4.953089	3.635395
46	GOVERNMENT ENTERPRISE	.804803	.703686	.666433	.556500	.506722	.468775	.449470	.459361	.454465	.429942
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	63.180977	69.850259	63.628263	86.082343	75.616196	75.540402	78.814362	80.489531	83.645585	94.067486
53	LABOR OUTPUT RATIO	42.263740	28.897015	19.425312	38.625100	34.962451	27.292691	37.963738	30.775019	40.738276	54.743299
54	EMP.MULTIPLIER(INDIRECT)	1.968140	2.417214	3.275584	2.228663	2.162783	2.767789	2.076043	2.615418	2.053243	1.718344

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	,198640	,225108	,276180	,167502	-------	,150669	,212347	,122048	,141112	,271043
2	OTHER AGRICULTURAL PROD.	,305053	,372435	,522875	,287625	-------	,442657	,574021	,164862	,494626	,346403
3	FOREST AND FISH PRODUCTS	,103194	,085154	,197547	,055225	-------	,056188	,063267	,037248	,065281	,115528
4	IRON ORES MINING	,111074	,040341	,043516	,028597	-------	,014911	,011743	,004079	,009394	,004877
5	NONFERROUS ORES MINING	,157102	,166546	,153612	,059737	-------	,041736	,015880	,010795	,018000	,012001
6	CRUDE OIL AND NATURAL GAS	,129722	,116761	,138722	,372366	-------	,272050	,462866	,072176	1,739556	,144150
7	OTHER MINING	,286150	,212010	,243806	,150465	-------	,172412	,115717	,060062	1,447878	,083519
8	CONSTRUCTION	,535789	,497074	,498315	1,013171	-------	1,186721	1,608957	1,216288	2,555321	,525988
9	ORDNANCE AND ACCESSORIES	,285654	,089350	,031953	,016371	-------	,011302	,008295	,005659	,004575	,012517
10	FOOD PRODUCTS AND TOBACCO	,183825	,217841	,246024	,135673	-------	,119381	,192027	,112524	,112810	,264204
11	TEXTILE AND APPAREL	1,713265	1,297512	3,053518	1,088436	-------	,743411	,555937	,120685	,200027	,298643
12	LUMBER AND WOOD PRODUCTS	,844036	,525273	1,665625	,220962	-------	,198858	,218963	,158895	,287812	,241805
13	PAPER AND PRODUCTS	,512137	1,259088	2,338977	,314206	-------	,229505	,273782	,214673	,200835	,593708
14	PRINTING AND PUBLISHING	,530805	,538379	,719734	,396284	-------	,317396	,408746	,603493	,287644	,611803
15	CHEMICALS AND PRODUCTS	,403575	,916903	,753025	,186797	-------	,162317	,185741	,073305	,216030	,159685
16	OTHER CHEMICAL PRODUCTS	,158779	,203801	,227449	,187579	-------	,137337	,072101	,048377	,055521	,088389
17	PETROLEUM REFINING	,080345	,073218	,089560	,292363	-------	,202500	,557394	,043619	,123606	,091714
18	RUBBER AND PLASTICS	1,280678	1,350065	3,039103	,335064	-------	,221924	,407244	,152018	,192400	,317512
19	LEATHER AND PRODUCTS	,041536	,080205	,551499	,022323	-------	,017321	,017204	,020467	,013400	,042101
20	GLASS AND PRODUCTS	,411052	,371720	,245653	,186750	-------	,129494	,065348	,027343	,028273	,066575
21	STONE AND CLAY PRODUCTS	,333911	,232269	,277031	,183051	-------	,169185	,187043	,126702	,297419	,121156
22	PRIMARY IRON AND STEEL	4,338897	1,512733	1,649328	1,107190	-------	,767976	,446796	,152610	,340123	,177648
23	PRIMARY NONFERROUS METALS	1,410014	1,482365	1,456139	,552069	-------	,382621	,129018	,095930	,128578	,079813
24	HTNG,PLMG,AND STRL. METAL	,261918	,129202	,108936	,252993	-------	,202390	,163800	,118773	,255404	,103501
25	OTHER FABRICATED METALS	3,742291	1,876341	1,566130	1,261433	-------	,865647	,320229	,168241	,243818	,245996
26	ENGINES AND TURBINES	,313518	,034302	,021546	,144789	-------	,098782	,057403	,008870	,032324	,013214
27	MACHINERY AND EQUIPMENT	2,936404	1,202701	,613764	,897815	-------	,623311	,328653	,121065	,315378	,232315
28	OFFICE MACHINES	,352334	,134755	,140094	,035838	-------	,030389	,037665	,030337	,035034	,054193
29	OTHER ELECTRICAL EQPT.	2,610271	3,671874	1,084271	,387806	-------	,282393	,359978	,794051	,362969	,286252
30	SHIPBUILDING AND REPAIR	,084200	,019999	,008218	2,742377	-------	1,816516	,010517	,003031	,013345	,005105
31	OTHER TRANSPORT EQPT.	34,039802	,502747	,311944	,285527	-------	,181224	,497746	,067666	,066559	,186245
32	INSTRUMENTS	,570334	44,607484	,185426	,330000	-------	,225525	,088933	,076557	,054042	,128558
33	MISCELLANEOUS MFG.	,177108	,324604	49,001892	,137620	-------	,096203	,076539	,086026	,052702	,152566
61	U.S. MERCHANT MARINE	,063539	,041792	,051912	33,401868	-------	,078639	,084631	,016243	,116521	,029977
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,016131	,010610	,013179	8,479769	-------	65,876035	,021485	,004124	,029581	,007610
40	OTHER TRANS. AND STORAGE	2,759779	1,826778	2,389740	5,062350	-------	2,452063	67,017425	,795313	2,624980	1,336719
41	COMMUNICATIONS	,554894	,627938	,535178	,597609	-------	,431624	,697773	43,992039	,331530	,711626
42	UTILITIES	,435068	,361358	,397821	,305765	-------	,402863	,340218	,260203	21,532233	,445631
43	WHOLESALE/RETAIL	5,986849	6,153539	7,552057	3,822101	-------	2,820524	5,147247	2,011234	2,442506	102,186140
44	FINANCE INS. AND R.E.	,947624	1,052176	1,147375	1,545780	-------	1,208888	1,501001	,924991	1,081455	1,882710
45	SERVICES	5,337788	5,425238	5,399258	4,536672	-------	3,485654	4,393946	7,162472	2,861677	6,285749
46	GOVERNMENT ENTERPRISE	,480151	,428275	,513827	1,535375	-------	7,144569	1,835804	,439621	9,410858	1,088465
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	76,025236	80,297865	89,461761	73,083292	-------	94,476110	89,171429	60,724718	50,823138	119,974350
53	LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	30,631780	-------	65,214887	59,760532	43,071319	17,207470	98,876446
54	EMP.MULTIPLIER(INDIRECT)	2,984116	1,957049	1,954000	2,385865	*******	1,448689	1,492146	1,409864	2,953551	1,213376

		44	45	46	47	48	49	50	51
1	LIVESTOCK AND PRODUCTS	.738099	.316892	.349663	-------	-------	4.098361	-------	-------
2	OTHER AGRICULTURAL PROD.	1.077710	.488757	2.106314	-------	-------	4.076916	-------	-------
3	FOREST AND FISH PRODUCTS	.180690	.084257	.169851	-------	-------	.650166	-------	-------
4	IRON ORES MINING	.006493	.010626	.010633	-------	-------	.031149	-------	-------
5	NONFERROUS ORES MINING	.015550	.019956	.022087	-------	-------	.065487	-------	-------
6	CRUDE OIL AND NATURAL GAS	.130372	.134264	.298142	-------	-------	.254156	-------	-------
7	OTHER MINING	.113586	.120090	.607802	-------	-------	.200753	-------	-------
8	CONSTRUCTION	2.210536	.795760	4.481878	-------	-------	.913105	-------	-------
9	ORDNANCE AND ACCESSORIES	.006889	.011494	.005514	-------	-------	.105386	-------	-------
10	FOOD PRODUCTS AND TOBACCO	.156421	.271231	.272888	-------	-------	5.016806	-------	-------
11	TEXTILE AND APPAREL	.184378	.456974	.323547	-------	-------	1.067264	-------	-------
12	LUMBER AND WOOD PRODUCTS	.273790	.238793	.475579	-------	-------	.599576	-------	-------
13	PAPER AND PRODUCTS	.269962	.850903	.276371	-------	-------	2.906686	-------	-------
14	PRINTING AND PUBLISHING	.617353	4.176418	.532681	-------	-------	6.256820	-------	-------
15	CHEMICALS AND PRODUCTS	.166286	.301236	.378109	-------	-------	.559525	-------	-------
16	OTHER CHEMICAL PRODUCTS	.069592	.318446	.122232	-------	-------	.236867	-------	-------
17	PETROLEUM REFINING	.075938	.080198	.142063	-------	-------	.183875	-------	-------
18	RUBBER AND PLASTICS	.177921	.528439	.303415	-------	-------	.774833	-------	-------
19	LEATHER AND PRODUCTS	.021657	.151461	.025154	-------	-------	.282384	-------	-------
20	GLASS AND PRODUCTS	.034371	.096240	.052277	-------	-------	.220109	-------	-------
21	STONE AND CLAY PRODUCTS	.223248	.195472	.434965	-------	-------	.185079	-------	-------
22	PRIMARY IRON AND STEEL	.225695	.394353	.385287	-------	-------	1.184151	-------	-------
23	PRIMARY NONFERROUS METALS	.108754	.164028	.175065	-------	-------	.583130	-------	-------
24	MTNG.PLMG.AND STRL. METAL	.223637	.095557	.421821	-------	-------	.219352	-------	-------
25	OTHER FABRICATED METALS	.202966	.797212	.324807	-------	-------	1.274367	-------	-------
26	ENGINES AND TURBINES	.012089	.038105	.042760	-------	-------	.063022	-------	-------
27	MACHINERY AND EQUIPMENT	.238609	.521444	.302871	-------	-------	.761105	-------	-------
28	OFFICE MACHINES	.095905	.126500	.060291	-------	-------	.111882	-------	-------
29	OTHER ELECTRICAL EQPT.	.289546	.638632	.317034	-------	-------	1.217214	-------	-------
30	SHIPBUILDING AND REPAIR	.006628	.006489	.028415	-------	-------	.043598	-------	-------
31	OTHER TRANSPORT EQPT.	.099050	.398470	.124451	-------	-------	.581686	-------	-------
32	INSTRUMENTS	.083300	.421225	.087005	-------	-------	.889228	-------	-------
33	MISCELLANEOUS MFG.	.082564	.474627	.080513	-------	-------	1.586373	-------	-------
61	U.S. MERCHANT MARINE	.032861	.034391	.224870	-------	-------	.152913	-------	-------
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	.008342	.008731	.057088	-------	-------	.038820	-------	-------
40	OTHER TRANS. AND STORAGE	1.303766	1.580918	5.454975	-------	-------	21.389403	-------	-------
41	COMMUNICATIONS	.566651	1.860984	.420457	-------	-------	.724368	-------	-------
42	UTILITIES	.239223	.492402	1.711925	-------	-------	.401648	-------	-------
43	WHOLESALE/RETAIL	2.990313	4.877317	3.563264	-------	-------	10.335854	-------	-------
44	FINANCE INS. AND R.E.	22.889676	1.886493	1.345032	-------	-------	1.429729	-------	-------
45	SERVICES	5.570038	74.577841	4.734842	-------	-------	12.391232	-------	-------
46	GOVERNMENT ENTERPRISE	1.016407	.886478	50.204641	-------	-------	1.001232	-------	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	43.036862	99.930103	81.458579	-------	-------	85.065613	-------	-------
53	LABOR OUTPUT RATIO	20.030434	67.256720	49.143167	-------	-------	-------	-------	-------
54	EMP.MULTIPLIER(INDIRECT)	2.148574	1.485801	1.657577	**********	**********	**********	**********	**********

TABLE C6. DIRECT, INDIRECT, AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	1,365333	,140165	,154587	,047266	,060327	,051909	,077401	,085301	,086253	,393310
2	OTHER AGRICULTURAL PROD.	,445722	1,118451	,223288	,039899	,050604	,052293	,064946	,072993	,072166	,262160
3	FOREST AND FISH PRODUCTS	,054517	,061433	1,036304	,006551	,008520	,008401	,010544	,016539	,012054	,031212
4	IRON ORES MINING	,001755	,001949	,001640	1,058722	,007159	,002226	,003685	,005214	,007072	,002127
5	NONFERROUS ORES MINING	,001591	,001922	,001400	,024765	1,155103	,001560	,003634	,005057	,005991	,001739
6	CRUDE OIL AND NATURAL GAS	,039596	,048929	,033358	,024199	,030423	1,052670	,043698	,045485	,038025	,035502
7	OTHER MINING	,012103	,017603	,009123	,014624	,016724	,009095	1,104000	,028416	,014365	,012043
8	CONSTRUCTION	,057582	,058757	,039389	,050963	,048666	,074126	,055451	1,051509	,052263	,050911
9	ORDNANCE AND ACCESSORIES	,001856	,001915	,001780	,001391	,001831	,001788	,002229	,002721	1,001118	,001521
10	FOOD PRODUCTS AND TOBACCO	,401355	,225788	,234492	,149086	,192447	,193789	,246867	,272061	,277309	1,468350
11	TEXTILE AND APPAREL	,101986	,105607	,136070	,070399	,087814	,087851	,121924	,132789	,134765	,105659
12	LUMBER AND WOOD PRODUCTS	,027751	,030662	,029258	,021185	,032139	,023792	,033542	,101748	,044365	,031475
13	PAPER AND PRODUCTS	,053252	,047754	,077238	,030907	,039125	,038567	,054874	,064492	,068350	,094709
14	PRINTING AND PUBLISHING	,048230	,048439	,042182	,034311	,040900	,041980	,052562	,060642	,060496	,057942
15	CHEMICALS AND PRODUCTS	,079858	,143410	,057825	,047788	,076009	,044525	,067763	,054609	,079994	,069247
16	OTHER CHEMICAL PRODUCTS	,032028	,030769	,027538	,020436	,025904	,026414	,052818	,051166	,037752	,034382
17	PETROLEUM REFINING	,074867	,095220	,063040	,039481	,051329	,047392	,077537	,085452	,067759	,065589
18	RUBBER AND PLASTICS	,044642	,048386	,040382	,036957	,041500	,035553	,055608	,061214	,066764	,056871
19	LEATHER AND PRODUCTS	,012430	,012121	,011726	,008383	,010758	,010799	,013902	,015366	,015604	,012372
20	GLASS AND PRODUCTS	,008300	,006191	,005941	,004234	,005341	,005496	,006779	,011396	,009600	,010974
21	STONE AND CLAY PRODUCTS	,009548	,010690	,007526	,008203	,010890	,016137	,034338	,086512	,013356	,009293
22	PRIMARY IRON AND STEEL	,031117	,032179	,029859	,057572	,074158	,041947	,064430	,099619	,137140	,039223
23	PRIMARY NONFERROUS METALS	,019501	,021045	,017835	,020098	,023840	,020353	,028322	,074571	,088825	,022296
24	HTNG,PLMG,AND STRL, METAL	,007119	,007334	,005302	,006328	,006842	,011945	,008598	,097980	,089026	,006688
25	OTHER FABRICATED METALS	,041880	,037548	,045614	,027925	,039330	,034795	,050589	,073130	,088737	,068060
26	ENGINES AND TURBINES	,002360	,002573	,003170	,004766	,009739	,005865	,010133	,004633	,005615	,002436
27	MACHINERY AND EQUIPMENT	,026327	,035207	,021167	,037730	,083823	,037264	,060778	,046749	,070453	,028593
28	OFFICE MACHINES	,005357	,005516	,004767	,004051	,004907	,005377	,006075	,016936	,010309	,005471
29	OTHER ELECTRICAL EQPT.	,042893	,044370	,039230	,032628	,041665	,053417	,052741	,088746	,130318	,043215
30	SHIPBUILDING AND REPAIR	,000518	,000530	,000420	,000430	,000469	,000425	,000567	,000956	,000773	,000554
31	OTHER TRANSPORT EQPT.	,064158	,064811	,064869	,040610	,060482	,057652	,074328	,083566	,259537	,065660
32	INSTRUMENTS	,010788	,010999	,009943	,008000	,010135	,010585	,012345	,018259	,035646	,011581
33	MISCELLANEOUS MFG.	,017738	,018001	,017777	,012741	,016265	,015994	,020506	,025335	,023955	,018487
61	U.S. MERCHANT MARINE	,007564	,007620	,005637	,005883	,005043	,004783	,006867	,008121	,007160	,008111
62	FOREIGN SHIPS	,003125	,003432	,008224	,054606	,039144	,008288	,004570	,003810	,004004	,003887
39	SERVICE TO WATER TRANS.	,000998	,001006	,000764	,000769	,000688	,000657	,000931	,001091	,000978	,001065
40	OTHER TRANS. AND STORAGE	,119989	,099667	,088552	,068211	,084307	,077441	,102482	,138439	,121556	,127593
41	COMMUNICATIONS	,049512	,048486	,040990	,033027	,040983	,040653	,051830	,061230	,067594	,051584
42	UTILITIES	,086767	,090048	,073485	,091654	,104880	,081913	,126221	,104601	,108655	,092887
43	WHOLESALE/RETAIL	,409228	,390670	,338528	,240902	,313567	,307268	,398238	,503170	,454746	,400921
44	FINANCE INS. AND R.E.	,428755	,462728	,375721	,342389	,372051	,504067	,469604	,470807	,460529	,406112
45	SERVICES	,347932	,363597	,293242	,254420	,288880	,294817	,381380	,446264	,425527	,375976
46	GOVERNMENT ENTERPRISE	,039041	,039274	,033332	,032139	,037952	,035508	,046719	,047533	,047591	,041131
47	NONCOMPETITIVE IMPORTS	,033477	,031384	,037279	,021464	,027288	,027232	,035081	,039857	,039458	,048377
48	COMPETITIVE IMPORTS	,052863	,055489	,148907	,357429	,259212	,102815	,074855	,056449	,066586	,061259
49	DUMMY INDUSTRIES	,035661	,035782	,036024	,031018	,039619	,041881	,045220	,054643	,064622	,041323
50	MISCELLANEOUS INDUSTRIES	,006151	,006206	,005904	,004291	,005551	,005578	,007175	,007834	,007948	,006247
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1,458671	1,471664	1,400229	1,017513	1,316303	1,322882	1,701497	1,857930	1,884918	1,481549
53	GROSS MULT. (INDUCED)	6,223794	5,643324	5,380856	4,557321	5,300636	4,987562	6,006002	6,742943	6,867561	6,276470
54	DOMESTIC MULT. (INDUCED)	6,134329	5,553018	5,186447	4,123822	4,974991	4,849227	5,891497	6,642826	6,757513	6,162947

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	.098278	.083988	.079146	.085177	.077521	.089580	.059174	.080247	.108533	.080915
2	OTHER AGRICULTURAL PROD.	.119075	.084425	.067144	.071751	.066441	.076973	.049811	.068819	.087474	.067968
3	FOREST AND FISH PRODUCTS	.019907	.073307	.014808	.012058	.011163	.011928	.008048	.011363	.014041	.011968
4	IRON ORES MINING	.001998	.003994	.002442	.002179	.005577	.003039	.001980	.002928	.002318	.002144
5	NONFERROUS ORES MINING	.001875	.002491	.002127	.002081	.007804	.003005	.001721	.003059	.002025	.002527
6	CRUDE OIL AND NATURAL GAS	.037672	.037357	.039601	.037360	.083146	.043981	.500128	.046054	.037275	.038858
7	OTHER MINING	.012932	.012697	.022013	.012784	.055171	.020090	.013233	.022153	.012590	.029261
8	CONSTRUCTION	.051480	.051378	.054767	.056108	.058624	.054919	.070006	.053879	.051004	.057561
9	ORDNANCE AND ACCESSORIES	.002275	.003270	.002234	.002608	.002737	.002361	.001685	.002467	.002343	.002288
10	FOOD PRODUCTS AND TOBACCO	.266550	.250515	.253735	.272144	.249230	.287939	.186814	.255894	.343169	.259232
11	TEXTILE AND APPAREL	1.860805	.171363	.140337	.136839	.113705	.121704	.084965	.194862	.265766	.124047
12	LUMBER AND WOOD PRODUCTS	.032566	1.325039	.118388	.049029	.033159	.033488	.023519	.036062	.047247	.055141
13	PAPER AND PRODUCTS	.076338	.071321	1.379514	.282590	.075958	.103703	.046671	.101838	.092508	.137173
14	PRINTING AND PUBLISHING	.056140	.053259	.064459	1.185355	.052765	.068761	.041959	.055797	.058658	.055811
15	CHEMICALS AND PRODUCTS	.093918	.064999	.103553	.079593	1.291640	.224680	.068558	.272212	.087694	.081880
16	OTHER CHEMICAL PRODUCTS	.037325	.044369	.035848	.037167	.053531	1.090107	.029992	.044574	.047947	.041472
17	PETROLEUM REFINING	.066907	.067262	.070072	.066448	.160257	.081050	1.121683	.084083	.066429	.064672
18	RUBBER AND PLASTICS	.174718	.078632	.085047	.061809	.092299	.113360	.037732	1.231829	.161484	.078427
19	LEATHER AND PRODUCTS	.019200	.014615	.013867	.015283	.013358	.014436	.010402	.016105	1.250073	.014555
20	GLASS AND PRODUCTS	.010236	.012045	.007384	.007519	.007689	.021790	.005403	.009764	.008811	1.076767
21	STONE AND CLAY PRODUCTS	.010983	.018125	.012485	.010192	.015069	.013515	.015034	.014485	.010543	.030516
22	PRIMARY IRON AND STEEL	.035291	.076391	.043700	.039514	.054840	.050340	.035989	.046066	.041973	.036208
23	PRIMARY NONFERROUS METALS	.023142	.033142	.026248	.027262	.049633	.033497	.022004	.031726	.025728	.034246
24	HTNG,PLMG,AND STRL. METAL	.006942	.008871	.007356	.007365	.007945	.007499	.009761	.007833	.007041	.007814
25	OTHER FABRICATED METALS	.043735	.085218	.057641	.055343	.057970	.087227	.036615	.058753	.065306	.042085
26	ENGINES AND TURBINES	.002673	.002854	.002764	.002710	.003351	.002891	.003934	.002929	.002751	.002823
27	MACHINERY AND EQUIPMENT	.032252	.034740	.035860	.028447	.048090	.032156	.031768	.040662	.033482	.030543
28	OFFICE MACHINES	.006269	.007383	.006190	.006563	.006137	.006744	.005068	.006276	.006378	.006322
29	OTHER ELECTRICAL EQPT.	.050870	.051758	.048504	.053092	.049817	.051637	.044797	.050845	.052301	.052840
30	SHIPBUILDING AND REPAIR	.000524	.000577	.000582	.000518	.000703	.000580	.001078	.000721	.000542	.000519
31	OTHER TRANSPORT EQPT.	.077532	.077135	.072287	.079689	.072062	.077037	.055979	.078861	.079289	.081571
32	INSTRUMENTS	.014731	.015241	.014692	.024070	.013146	.018264	.010798	.014087	.017109	.015136
33	MISCELLANEOUS MFG.	.036168	.023668	.021723	.024654	.020963	.023636	.015522	.026856	.033708	.023446
61	U.S. MERCHANT MARINE	.006825	.007820	.008160	.006665	.010545	.007779	.019568	.008681	.007055	.006774
62	FOREIGN SHIPS	.004454	.011614	.005153	.002804	.005382	.003411	.008314	.003780	.003541	.005784
39	SERVICE TO WATER TRANS.	.000932	.001045	.001082	.000910	.001363	.001040	.002417	.001147	.000961	.000925
40	OTHER TRANS. AND STORAGE	.117309	.123453	.143653	.122830	.127261	.123719	.115948	.123259	.119496	.128960
41	COMMUNICATIONS	.058502	.055132	.054422	.068564	.053368	.061873	.040851	.056986	.059979	.056220
42	UTILITIES	.108543	.103016	.116311	.106734	.135459	.105657	.096300	.115227	.105907	.140212
43	WHOLESALE/RETAIL	.453774	.428998	.412484	.441277	.393311	.425163	.302863	.423334	.468552	.427925
44	FINANCE INS. AND R.E.	.461707	.434352	.426266	.503407	.441221	.467979	.432823	.442792	.469235	.452275
45	SERVICES	.397175	.380246	.377472	.436130	.382060	.528375	.308741	.399064	.415628	.397429
46	GOVERNMENT ENTERPRISE	.047809	.044303	.046516	.060253	.049635	.047498	.038355	.046583	.048966	.050813
47	NONCOMPETITIVE IMPORTS	.040706	.036364	.035210	.038544	.036852	.040160	.028181	.046305	.041746	.037041
48	COMPETITIVE IMPORTS	.073410	.098077	.123799	.054841	.086421	.058872	.104191	.068091	.067003	.072463
49	DUMMY INDUSTRIES	.048644	.045392	.056541	.058658	.048650	.061492	.037095	.051914	.048945	.049419
50	MISCELLANEOUS INDUSTRIES	.007569	.007183	.006961	.007779	.006781	.007204	.005331	.007478	.007688	.007485
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1.795045	1.703513	1.650860	1.844673	1.606151	1.708503	1.264242	1.702375	1.823213	1.775025
53	GROSS MULT. (INDUCED)	7.003711	6.421940	6.371405	6.586277	6.297961	6.520639	5.457048	6.470806	6.811374	6.255188
54	DOMESTIC MULT. (INDUCED)	6.885141	6.275885	6.207244	6.490088	6.169306	6.418196	5.316363	6.352631	6.699084	6.139500

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	.080812	.078405	.071010	.082783	.080875	.142036	.082600	.083007	.082818	.085899
2	OTHER AGRICULTURAL PROD.	.067998	.065404	.059122	.069122	.067565	.113027	.069044	.069280	.069230	.074572
3	FOREST AND FISH PRODUCTS	.011121	.010634	.009844	.011475	.011173	.018757	.011197	.011377	.011642	.012528
4	IRON ORES MINING	.004302	.064338	.004457	.018766	.017122	.012249	.010772	.006132	.005340	.009457
5	NONFERROUS ORES MINING	.003908	.008958	.087827	.010401	.009086	.009524	.005941	.006503	.007206	.006953
6	CRUDE OIL AND NATURAL GAS	.044056	.038189	.033533	.037418	.036678	.059275	.037059	.035300	.035983	.038619
7	OTHER MINING	.112025	.043355	.012967	.019785	.019444	.022117	.015641	.013085	.013287	.015216
8	CONSTRUCTION	.061307	.059357	.047591	.053231	.052894	.081752	.052546	.052000	.051617	.055816
9	ORDNANCE AND ACCESSORIES	.002300	.002509	.002257	.003819	.003378	.012333	.003881	.003914	.007743	.008485
10	FOOD PRODUCTS AND TOBACCO	.258477	.252533	.229390	.265955	.259838	.457264	.265857	.266249	.265774	.288593
11	TEXTILE AND APPAREL	.134126	.113945	.102184	.122199	.122572	.210207	.123747	.123905	.126024	.134351
12	LUMBER AND WOOD PRODUCTS	.036579	.033172	.033834	.040504	.039049	.053265	.035131	.037748	.044088	.046517
13	PAPER AND PRODUCTS	.088236	.053290	.052397	.064011	.072709	.094092	.057409	.070043	.073252	.059122
14	PRINTING AND PUBLISHING	.055790	.056697	.054023	.059249	.063261	.093818	.057685	.069101	.059477	.060805
15	CHEMICALS AND PRODUCTS	.075157	.061276	.058670	.053261	.060429	.075090	.049655	.053057	.061125	.049242
16	OTHER CHEMICAL PRODUCTS	.035911	.033591	.030068	.044814	.042704	.060643	.036702	.038735	.038458	.042439
17	PETROLEUM REFINING	.076344	.064767	.056401	.065287	.063955	.105656	.065823	.062496	.063509	.068099
18	RUBBER AND PLASTICS	.069604	.046582	.057455	.052336	.061975	.083498	.062357	.066908	.078311	.053870
19	LEATHER AND PRODUCTS	.014931	.014007	.012733	.014632	.014849	.025952	.015168	.015036	.015229	.016271
20	GLASS AND PRODUCTS	.007605	.007205	.006514	.012735	.008517	.013496	.008084	.010105	.019316	.012770
21	STONE AND CLAY PRODUCTS	1.138402	.015989	.012196	.015969	.015356	.028693	.020572	.017886	.018335	.015459
22	PRIMARY IRON AND STEEL	.060699	1.287645	.074404	.372495	.338800	.240348	.212627	.119178	.102402	.186122
23	PRIMARY NONFERROUS METALS	.030087	.077833	1.501362	.153483	.132371	.143278	.085679	.099729	.109482	.104584
24	MTNG,PLMG,AND STRL. METAL	.009294	.010907	.007340	1.033740	.013058	.017428	.018448	.022513	.009731	.067784
25	OTHER FABRICATED METALS	.055548	.068672	.055693	.106728	1.094307	.118838	.089338	.098235	.090009	.086897
26	ENGINES AND TURBINES	.004832	.004155	.003938	.006827	.004840	1.088271	.021577	.004917	.006698	.002413
27	MACHINERY AND EQUIPMENT	.054033	.072828	.058295	.083205	.076514	.209109	1.196059	.075091	.055531	.145258
28	OFFICE MACHINES	.006831	.006699	.005893	.022519	.009638	.012318	.010322	1.121704	.016865	.005509
29	OTHER ELECTRICAL EQPT.	.056614	.067035	.067817	.081280	.064579	.156129	.099471	.301170	1.286568	.083411
30	SHIPBUILDING AND REPAIR	.000726	.000901	.000546	.004616	.000885	.004883	.001636	.000655	.000590	1.000285
31	OTHER TRANSPORT EQPT.	.077692	.082254	.070426	.093942	.097470	.238588	.100076	.105017	.100218	.109174
32	INSTRUMENTS	.013627	.015463	.012810	.020914	.016798	.026165	.018215	.025836	.024966	.020717
33	MISCELLANEOUS MFG.	.025815	.021711	.020950	.022831	.023801	.037375	.022947	.025432	.024558	.023980
61	U.S. MERCHANT MARINE	.010628	.013486	.006583	.008541	.008200	.011272	.007270	.006574	.006652	.007453
62	FOREIGN SHIPS	.004213	.009856	.013141	.005594	.005817	.006201	.004674	.003957	.004249	.004033
39	SERVICE TO WATER TRANS.	.001384	.001719	.000881	.001136	.001094	.001552	.000986	.000902	.000912	.001019
40	OTHER TRANS. AND STORAGE	.166133	.152922	.134667	.137293	.128160	.182787	.118026	.117310	.114461	.127211
41	COMMUNICATIONS	.058999	.054613	.047931	.061437	.057407	.095793	.060603	.062098	.062533	.064666
42	UTILITIES	.140757	.130822	.117619	.116286	.114153	.170285	.107959	.103375	.106817	.115642
43	WHOLESALE/RETAIL	.425800	.415634	.386298	.448417	.424935	.737723	.445673	.454407	.444146	.479279
44	FINANCE INS. AND R.E.	.463877	.423029	.380180	.459025	.442762	.751534	.461264	.474212	.458902	.483693
45	SERVICES	.400403	.387444	.334495	.408962	.394335	.656220	.402949	.410460	.412974	.425644
46	GOVERNMENT ENTERPRISE	.052669	.048847	.043618	.048069	.046465	.074253	.046313	.046180	.046374	.049405
47	NONCOMPETITIVE IMPORTS	.037719	.036097	.035617	.037789	.037074	.066150	.038376	.037866	.039945	.042599
48	COMPETITIVE IMPORTS	.065781	.123060	.198941	.082052	.088445	.113407	.090575	.078415	.085688	.063894
49	DUMMY INDUSTRIES	.048453	.077065	.100868	.070295	.061775	.086465	.060107	.069187	.060115	.062694
50	MISCELLANEOUS INDUSTRIES	.007456	.007094	.006175	.007549	.007428	.013295	.007636	.007567	.007627	.008353
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	1.768226	1.682241	1.464419	1.790279	1.761454	3.152951	1.810825	1.794525	1.808838	1.982813
53	GROSS MULT. (INDUCED)	6.427287	6.404235	6.185380	6.806675	6.575993	10.193379	6.626702	6.778378	6.635610	6.977416
54	DOMESTIC MULT. (INDUCED)	6.319574	6.235222	5.937681	6.680640	6.444657	10.006621	6.493078	6.658140	6.505734	6.868490

TABLE Co, DIRECT, INDIRECT, AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND

	31	32	33	61	62	39	40	41	42	43
1 LIVESTOCK AND PRODUCTS	,081761	,080876	,077864	,072028	-------	,077697	,082091	,071588	,067805	,076096
2 OTHER AGRICULTURAL PROD.	,068876	,068662	,067446	,061040	-------	,068062	,069876	,059689	,060712	,063685
3 FOREST AND FISH PRODUCTS	,011569	,011133	,012261	,009691	-------	,010472	,011001	,009476	,009353	,010912
4 IRON ORES MINING	,008962	,004120	,004266	,003180	-------	,002695	,002197	,001516	,001805	,001604
5 NONFERROUS ORES MINING	,006034	,006302	,005845	,002911	-------	,002454	,001714	,001419	,001575	,001424
6 CRUDE OIL AND NATURAL GAS	,036162	,034953	,034695	,045971	-------	,042722	,054350	,029746	,119084	,034367
7 OTHER MINING	,014644	,012638	,013074	,010339	-------	,011459	,010335	,008063	,042845	,008855
8 CONSTRUCTION	,051939	,050279	,048408	,059846	-------	,067245	,079796	,065286	,097987	,048310
9 ORDNANCE AND ACCESSORIES	,011705	,005027	,002982	,002353	-------	,002337	,002321	,002000	,001856	,002281
10 FOOD PRODUCTS AND TOBACCO	,261855	,259266	,248117	,229742	-------	,248129	,262566	,229705	,216440	,243643
11 TEXTILE AND APPAREL	,148552	,138203	,167893	,122578	-------	,124317	,121325	,103601	,099198	,109927
12 LUMBER AND WOOD PRODUCTS	,043051	,036123	,058013	,027345	-------	,028869	,030372	,026203	,027461	,028510
13 PAPER AND PRODUCTS	,060779	,085064	,119082	,049026	-------	,049511	,052838	,045891	,043132	,059644
14 PRINTING AND PUBLISHING	,058410	,057755	,059223	,050031	-------	,051964	,055887	,054623	,045471	,055532
15 CHEMICALS AND PRODUCTS	,054236	,079016	,069202	,039497	-------	,040901	,043507	,034046	,239296	,039139
16 OTHER CHEMICAL PRODUCTS	,039316	,040994	,040586	,037042	-------	,036964	,035076	,030320	,029016	,033251
17 PETROLEUM REFINING	,064046	,062095	,061891	,089137	-------	,079886	,104899	,052752	,061781	,061888
18 RUBBER AND PLASTICS	,077392	,078874	,129011	,043809	-------	,043215	,050527	,038545	,037592	,044355
19 LEATHER AND PRODUCTS	,014848	,015190	,021638	,012888	-------	,013895	,014494	,012925	,012069	,013595
20 GLASS AND PRODUCTS	,015462	,014491	,011413	,009802	-------	,009045	,007918	,006349	,006028	,007362
21 STONE AND CLAY PRODUCTS	,015032	,012504	,013206	,010626	-------	,010841	,011565	,009325	,012989	,009365
22 PRIMARY IRON AND STEEL	,176139	,077889	,081316	,061254	-------	,051496	,041480	,028540	,033461	,029831
23 PRIMARY NONFERROUS METALS	,089094	,092534	,090358	,042990	-------	,035525	,023167	,019584	,020396	,019110
24 HTNG,PLMG,AND STRL. METAL	,011954	,008429	,007646	,010598	-------	,010201	,009420	,007665	,010930	,007394
25 OTHER FABRICATED METALS	,139299	,085372	,074886	,064555	-------	,055694	,041457	,033437	,033900	,036436
26 ENGINES AND TURBINES	,013632	,003365	,002790	,007198	-------	,005676	,004251	,002228	,002975	,002439
27 MACHINERY AND EQUIPMENT	,095737	,049752	,033319	,039880	-------	,034052	,027067	,019505	,023656	,022877
28 OFFICE MACHINES	,016793	,009631	,009537	,005882	-------	,006112	,006575	,005728	,005599	,006631
29 OTHER ELECTRICAL EQPT.	,109452	,134727	,068941	,049572	-------	,050444	,054266	,059754	,046784	,048379
30 SHIPBUILDING AND REPAIR	,001930	,000750	,000515	,050441	-------	,033558	,000584	,000403	,000571	,000450
31 OTHER TRANSPORT EQPT.	1,409548	,091895	,080735	,075235	-------	,077524	,093050	,067808	,063900	,071086
32 INSTRUMENTS	,025167	1,098262	,015028	,017987	-------	,016300	,013447	,011862	,010720	,013400
33 MISCELLANEOUS MFG.	,023453	,026336	1,088553	,020292	-------	,020880	,021278	,019255	,017497	,021179
61 U.S. MERCHANT MARINE	,007128	,006331	,006409	1,094893	-------	,007413	,007822	,005014	,008022	,005584
62 FOREIGN SHIPS	,004156	,004152	,005562	,002472	1,000000	,002343	,002380	,001776	,002452	,001938
39 SERVICE TO WATER TRANS.	,000967	,000870	,000873	,130663	-------	1,010828	,001050	,000702	,001054	,000773
40 OTHER TRANS. AND STORAGE	,125671	,108685	,114131	,154872	-------	,117252	1,201012	,083837	,110270	,094806
41 COMMUNICATIONS	,059902	,060786	,056281	,055376	-------	,055107	,063272	1,063095	,046941	,059370
42 UTILITIES	,106291	,100608	,098677	,089269	-------	,101088	,100870	,086996	1,318941	,099718
43 WHOLESALE/RETAIL	,436356	,431550	,426905	,370359	-------	,388879	,428288	,353782	,338363	1,375942
44 FINANCE INS. AND R.E.	,446563	,444886	,429677	,429570	-------	,443188	,474640	,400423	,387220	,457828
45 SERVICES	,413231	,408763	,391685	,362138	-------	,371963	,399573	,402722	,321264	,397708
46 GOVERNMENT ENTERPRISE	,046299	,044612	,044527	,063485	-------	,180409	,073926	,041356	,221987	,055437
47 NONCOMPETITIVE IMPORTS	,038876	,036852	,056073	,144530	-------	,111281	,046160	,038094	,034437	,033855
48 COMPETITIVE IMPORTS	,077442	,085872	,116778	,043541	-------	,038002	,042142	,030387	,242342	,033167
49 DUMMY INDUSTRIES	,060427	,058930	,054037	,043226	-------	,041502	,044390	,046411	,037905	,048616
50 MISCELLANEOUS INDUSTRIES	,007505	,007375	,007000	,006624	-------	,007196	,007513	,006659	,006264	,006839
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
52 HOUSEHOLD SECTOR	1,779717	1,748971	1,659991	1,570853	-------	1,706529	1,781720	1,579080	1,485466	1,621835
53 GROSS MULT. (INDUCED)	6,867361	6,381745	6,288346	5,996635	1,000000	6,003120	6,115454	5,308794	5,666693	5,525776
54 DOMESTIC MULT. (INDUCED)	6,746887	6,254870	6,109933	5,806092	-------	5,851494	6,024773	5,238536	5,587463	5,456818

TABLE C6. DIRECT, INDIRECT, AND INDUCED OUTPUT REQUIREMENTS PER DOLLAR OF DELIVERY TO FINAL DEMAND

	44	45	46	47	48	49	50	51	52
1 LIVESTOCK AND PRODUCTS	,074489	,084413	,087777	-------	-------	,141940	,089831	-------	,098497
2 OTHER AGRICULTURAL PROD.	,065368	,071814	,095865	-------	-------	,112459	,074355	-------	,081527
3 FOREST AND FISH PRODUCTS	,010533	,011367	,012968	-------	-------	,018400	,011560	-------	,012676
4 IRON ORES MINING	,001539	,002130	,002180	-------	-------	,003364	,001602	-------	,001757
5 NONFERROUS ORES MINING	,001440	,001847	,001955	-------	-------	,003096	,001409	-------	,001544
6 CRUDE OIL AND NATURAL GAS	,029957	,036620	,046587	-------	-------	,039744	,033395	-------	,036616
7 OTHER MINING	,008686	,010491	,023107	-------	-------	,011667	,008490	-------	,009309
8 CONSTRUCTION	,087181	,058953	,155841	-------	-------	,057534	,043681	-------	,047895
9 ORDNANCE AND ACCESSORIES	,001834	,002442	,002312	-------	-------	,005380	,002340	-------	,002565
10 FOOD PRODUCTS AND TOBACCO	,206309	,268228	,277295	-------	-------	,485442	,289609	-------	,317546
11 TEXTILE AND APPAREL	,093279	,124059	,125429	-------	-------	,122995	,130886	-------	,143512
12 LUMBER AND WOOD PRODUCTS	,025904	,030934	,036669	-------	-------	,035234	,029720	-------	,032587
13 PAPER AND PRODUCTS	,043306	,072450	,054744	-------	-------	,136250	,050061	-------	,054891
14 PRINTING AND PUBLISHING	,050111	,135707	,060472	-------	-------	,174090	,054187	-------	,059414
15 CHEMICALS AND PRODUCTS	,035152	,049426	,054446	-------	-------	,058174	,039359	-------	,043155
16 OTHER CHEMICAL PRODUCTS	,028163	,047421	,038862	-------	-------	,039707	,036139	-------	,039625
17 PETROLEUM REFINING	,052196	,064403	,075371	-------	-------	,073549	,059939	-------	,065721
18 RUBBER AND PLASTICS	,035282	,054493	,048911	-------	-------	,057637	,043550	-------	,047751
19 LEATHER AND PRODUCTS	,011496	,016621	,015208	-------	-------	,016943	,016320	-------	,017894
20 GLASS AND PRODUCTS	,005843	,008632	,007903	-------	-------	,010578	,007442	-------	,008159
21 STONE AND CLAY PRODUCTS	,010884	,011808	,017729	-------	-------	,010726	,008186	-------	,008976
22 PRIMARY IRON AND STEEL	,028224	,039824	,040435	-------	-------	,064109	,029832	-------	,032710
23 PRIMARY NONFERROUS METALS	,018564	,025070	,026226	-------	-------	,044711	,018948	-------	,020776
24 MTNG,PLMG,AND STRL, METAL	,009854	,007685	,016316	-------	-------	,010284	,005939	-------	,006511
25 OTHER FABRICATED METALS	,031146	,055297	,042934	-------	-------	,065164	,037033	-------	,040606
26 ENGINES AND TURBINES	,002128	,003557	,003804	-------	-------	,004218	,002462	-------	,002700
27 MACHINERY AND EQUIPMENT	,020730	,032258	,027155	-------	-------	,036415	,021109	-------	,023145
28 OFFICE MACHINES	,007314	,009494	,007533	-------	-------	,008392	,006135	-------	,006727
29 OTHER ELECTRICAL EQPT.	,042751	,061383	,055104	-------	-------	,070267	,052089	-------	,057114
30 SHIPBUILDING AND REPAIR	,000429	,000513	,000928	-------	-------	,001145	,000450	-------	,000493
31 OTHER TRANSPORT EQPT.	,061566	,089603	,081461	-------	-------	,088188	,084290	-------	,092421
32 INSTRUMENTS	,010880	,021614	,013870	-------	-------	,031700	,012933	-------	,014180
33 MISCELLANEOUS MFG.	,017187	,030093	,022182	-------	-------	,052080	,022481	-------	,024649
61 U.S. MERCHANT MARINE	,005043	,006213	,012611	-------	-------	,009490	,005801	-------	,006361
62 FOREIGN SHIPS	,001713	,002278	,002404	-------	-------	,004548	,001996	-------	,002189
39 SERVICE TO WATER TRANS.	,000693	,000859	,001626	-------	-------	,001236	,000826	-------	,000906
40 OTHER TRANS. AND STORAGE	,084255	,106520	,174176	-------	-------	,428668	,091246	-------	,100048
41 COMMUNICATIONS	,050089	,090567	,058795	-------	-------	,058667	,053973	-------	,059179
42 UTILITIES	,077532	,110209	,183965	-------	-------	,095441	,092987	-------	,101958
43 WHOLESALE/RETAIL	,325435	,427857	,427945	-------	-------	,439016	,431387	-------	,473001
44 FINANCE INS. AND R.E.	1,456353	,496327	,483507	-------	-------	,426729	,458302	-------	,502512
45 SERVICES	,345065	1,445138	,418569	-------	-------	,481392	,383243	-------	,420213
46 GOVERNMENT ENTERPRISE	,049375	,054832	1,059693	-------	-------	,052886	,041931	-------	,045976
47 NONCOMPETITIVE IMPORTS	,029514	,037922	,059185	1,000000	-------	,040382	,040588	-------	,044503
48 COMPETITIVE IMPORTS	,028843	,039960	,039677	-------	1,000000	,121408	,052247	-------	,036419
49 DUMMY INDUSTRIES	,040200	,060269	,045273	-------	-------	1,046940	,035494	-------	,038918
50 MISCELLANEOUS INDUSTRIES	,005895	,007559	,007826	-------	-------	,006679	1,008615	-------	,009446
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	1,000000	-------
52 HOUSEHOLD SECTOR	1,397943	1,792607	1,855959	-------	-------	1,584017	2,042927	-------	2,239999
53 GROSS MULT. (INDUCED)	5,027671	6,219765	6,410789	1,000000	1,000000	6,889082	6,067323	1,000000	5,535278
54 DOMESTIC MULT. (INDUCED)	4,967600	6,139606	6,309523	-------	-------	6,722744	5,972493	1,000000	5,452167

TABLE C7, DIRECT, INDIRECT, AND INDUCED EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	77,407366	7,946607	8,764291	2,679722	3,420237	3,509904	4,388228	4,836111	4,890685	22,298648
2	OTHER AGRICULTURAL PROD.	33,155931	83,198321	16,609754	2,967991	3,764252	3,875023	4,831160	5,429768	5,363744	19,501310
3	FOREST AND FISH PRODUCTS	3,756237	4,232711	71,401129	,451345	,587013	,578814	,726469	1,139556	,830493	2,150486
4	IRON ORES MINING	,025770	,028612	,024083	15,543260	,105109	,032680	,054102	,076544	,103832	,031232
5	NONFERROUS ORES MINING	,052004	,062823	,045749	,809379	37,752150	,050996	,118786	,165278	,195810	,056844
6	CRUDE OIL AND NATURAL GAS	,726564	,897802	,612097	,844041	,558238	19,315698	,801817	,834608	,697732	,658771
7	OTHER MINING	,477831	,694974	,360186	,577358	,660291	,359005	43,587169	1,121887	,567150	,475467
8	CONSTRUCTION	2,221772	2,267113	1,519818	1,966369	1,877753	2,860098	2,139534	40,571879	2,016534	1,964357
9	ORDNANCE AND ACCESSORIES	,054858	,056582	,052610	,041100	,054103	,052845	,065874	,084407	31,948083	,056763
10	FOOD PRODUCTS AND TOBACCO	7,717930	4,341836	4,509218	2,866874	3,700692	3,726511	4,747573	5,231659	5,332567	28,235925
11	TEXTILE AND APPAREL	5,060325	5,239967	6,751492	3,493033	4,357122	4,358960	6,049589	6,588701	6,686750	5,242560
12	LUMBER AND WOOD PRODUCTS	1,364971	1,508151	1,439113	1,042001	1,580799	1,170261	1,640000	5,004618	2,182162	1,548132
13	PAPER AND PRODUCTS	1,588620	1,424607	2,304170	,922013	1,167182	1,150541	1,637016	1,923931	2,039042	2,825380
14	PRINTING AND PUBLISHING	2,284803	2,294710	1,998317	1,625422	1,937567	1,988710	2,490013	2,872807	2,865883	2,744887
15	CHEMICALS AND PRODUCTS	1,615621	2,901364	1,169865	,966816	1,537751	,900812	1,370920	1,104815	1,618379	1,402956
16	OTHER CHEMICAL PRODUCTS	,649204	,623670	,558180	,414227	,525068	,535402	,665204	1,037126	,765218	,696906
17	PETROLEUM REFINING	,508458	,646684	,428133	,268133	,348597	,321861	,526590	,580344	,460185	,445447
18	RUBBER AND PLASTICS	1,449103	1,570641	1,310825	1,199663	1,347111	1,154064	1,805079	1,987047	2,167199	1,820102
19	LEATHER AND PRODUCTS	,818326	,797973	,771905	,551877	,708227	,710926	,915250	1,011612	1,027262	,814482
20	GLASS AND PRODUCTS	,379973	,283398	,271958	,193803	,244485	,251594	,310320	,521698	,439479	,914336
21	STONE AND CLAY PRODUCTS	,403523	,451797	,318070	,346704	,460263	,682019	1,451269	3,656314	,564457	,392754
22	PRIMARY IRON AND STEEL	,899199	,929879	,862822	1,663658	2,142951	1,212143	1,861829	2,878698	3,962945	1,127640
23	PRIMARY NONFERROUS METALS	,378817	,408790	,346444	,390401	,463096	,395360	,550146	1,448552	1,725432	,433106
24	HTNG,PLMG,AND STRL. METAL	,274959	,283289	,204773	,244416	,264273	,461360	,332083	3,784494	,348637	,258322
25	OTHER FABRICATED METALS	1,464236	1,312772	1,594763	,976322	1,375062	1,216521	1,768708	2,556793	3,102476	2,379527
26	ENGINES AND TURBINES	,064413	,070237	,086524	,130082	,265800	,160078	,276561	,126439	,153235	,066473
27	MACHINERY AND EQUIPMENT	,999454	1,336594	,803569	1,432366	3,182236	1,414677	2,307366	1,774780	2,674643	1,085487
28	OFFICE MACHINES	,164865	,169753	,146708	,124683	,151024	,165484	,186944	,521214	,317253	,168385
29	OTHER ELECTRICAL EQPT.	1,747397	1,807538	1,598155	1,329192	1,697345	2,176113	2,148581	3,615373	5,308596	1,768517
30	SHIPBUILDING AND REPAIR	,028362	,029034	,022976	,023560	,025686	,023253	,031023	,052361	,042343	,030327
31	OTHER TRANSPORT EQPT.	1,634535	1,651170	1,652642	1,263902	1,540879	1,468784	1,893630	2,128987	6,612142	1,672784
32	INSTRUMENTS	,442650	,451305	,407948	,328255	,415851	,434291	,506520	,749155	1,462561	,475184
33	MISCELLANEOUS MFG.	,812136	,824139	,813885	,583350	,744665	,732257	,938855	1,159927	1,096774	,846391
61	U.S. MERCHANT MARINE	,231709	,233426	,172686	,180217	,154486	,146503	,210349	,248747	,219325	,248465
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,065083	,065574	,049848	,050118	,044867	,042869	,060702	,071121	,063768	,069435
40	OTHER TRANS. AND STORAGE	7,170613	5,956128	5,291910	4,070330	5,038221	4,627919	6,124404	8,273207	7,264260	7,625004
41	COMMUNICATIONS	2,132553	2,088343	1,765488	1,422533	1,765183	1,750961	2,232366	2,637262	2,911367	2,221772
42	UTILITIES	1,493047	1,549494	1,264496	1,577127	1,804720	1,409516	2,171951	1,799922	1,869682	1,598354
43	WHOLESALE/RETAIL	40,462976	38,628056	33,472409	23,819489	31,004417	30,381523	39,376354	49,751701	44,963650	39,641661
44	FINANCE INS. AND R.E.	8,588147	9,268641	7,525855	6,858192	7,452348	10,096673	9,406365	9,430470	9,224588	8,134592
45	SERVICES	23,400798	24,454375	19,722474	17,111448	19,429150	19,828440	25,650357	30,014246	28,619550	25,286939
46	GOVERNMENT ENTERPRISE	1,918586	1,930043	1,638020	1,579401	1,865094	1,744994	2,295935	2,335906	2,338785	2,021308
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
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53	COLUMN SUM	235,093720	214,918920	200,665420	104,536170	147,521360	127,876440	180,652990	211,136070	197,044000	191,427430
54	LABOR OUTPUT RATIO	26,694856	74,387087	68,899771	14,681425	32,682927	18,349234	39,481123	38,584431	29,552960	19,229703
55	EMP.MULTIPLIER(INDUCED)	4,164288	2,889197	2,912425	7,120302	4,513713	6,947235	4,575680	5,472053	6,667941	9,954778

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	5,571877	4,761664	4,487159	4,829699	4,395055	5,078705	3,354870	4,549609	6,153256	4,587452
2	OTHER AGRICULTURAL PROD.	8,857624	6,280133	4,994657	5,337323	4,942385	5,725795	3,705285	5,119218	6,506910	5,055955
3	FOREST AND FISH PRODUCTS	1,371565	5,050839	1,020275	,830804	,769118	,821862	,554498	,782926	,967439	,824595
4	IRON ORES MINING	,029329	,058631	,035847	,031996	,081880	,044612	,029067	,042980	,034039	,032810
5	NONFERROUS ORES MINING	,061271	,081403	,069521	,068020	,255073	,096200	,056240	,099902	,066167	,082606
6	CRUDE OIL AND NATURAL GAS	,691245	,685468	,726647	,685535	1,525667	,807022	9,176967	,845056	,683960	,713205
7	OTHER MINING	,510579	,501306	,869088	,504727	2,178201	,793167	,522453	,874611	,497065	1,147342
8	CONSTRUCTION	1,986309	1,982407	2,113167	2,164901	2,261967	2,119012	2,701145	2,078907	1,967943	2,228943
9	ORDNANCE AND ACCESSORIES	,067216	,096644	,066029	,077060	,080891	,069756	,049783	,072904	,069252	,067600
10	FOOD PRODUCTS AND TOBACCO	5,125684	4,817332	4,879246	5,233256	4,792614	5,536988	3,592386	4,920770	6,599030	4,984963
11	TEXTILE AND APPAREL	92,328983	8,502666	6,963201	6,789624	5,641796	6,038674	4,215767	9,668605	13,186693	6,154917
12	LUMBER AND WOOD PRODUCTS	1,601795	65,174195	5,823080	2,259114	1,630978	1,647155	1,156842	1,773761	2,323897	2,712219
13	PAPER AND PRODUCTS	2,277337	2,127676	41,153915	8,430292	2,265985	3,093677	1,392293	3,038049	2,759730	4,092176
14	PRINTING AND PUBLISHING	2,659550	2,523054	3,053650	56,154048	2,499628	3,257405	1,987733	2,643288	2,778830	2,643968
15	CHEMICALS AND PRODUCTS	1,900080	1,315000	2,094994	1,610258	26,131440	4,545558	1,387015	5,507180	1,774150	1,656529
16	OTHER CHEMICAL PRODUCTS	,756563	,899353	,726620	,753369	1,085059	22,096186	,607931	,903513	,971872	,842625
17	PETROLEUM REFINING	,454394	,456810	,475894	,451278	1,088382	,550449	7,617882	,571049	,451149	,439220
18	RUBBER AND PLASTICS	5,671480	2,552445	2,760702	2,006364	2,996082	3,679736	1,224794	39,986112	5,241883	2,545804
19	LEATHER AND PRODUCTS	1,264023	,962184	,912924	1,006142	,879440	,950397	,684807	1,060274	82,298457	,958226
20	GLASS AND PRODUCTS	,468599	,551396	,338003	,344191	,351998	,997497	,247349	,446990	,403336	49,291630
21	STONE AND CLAY PRODUCTS	,464193	,766035	,527669	,430767	,636852	,571195	,635375	,612195	,445597	1,289722
22	PRIMARY IRON AND STEEL	1,019797	2,207472	1,262799	1,141827	1,584707	1,454668	1,039974	1,331159	1,212902	1,046311
23	PRIMARY NONFERROUS METALS	,449542	,643793	,509861	,529563	,964114	,650674	,427429	,616273	,499765	,665225
24	HTNG,PLMG,AND STRL. METAL	,268133	,342654	,284122	,284465	,306884	,289667	,377007	,302556	,271947	,301821
25	OTHER FABRICATED METALS	1,529072	2,979444	2,015272	1,934933	2,026789	3,049662	1,280146	2,054135	2,283254	1,471387
26	ENGINES AND TURBINES	,072950	,077906	,075424	,073969	,091452	,078894	,107360	,079935	,075079	,077860
27	MACHINERY AND EQUIPMENT	1,224417	1,318866	1,361383	1,079947	1,825668	1,220769	1,206041	1,543694	1,271086	1,159543
28	OFFICE MACHINES	,192929	,227210	,190494	,201977	,188857	,207559	,155962	,193146	,196294	,194565
29	OTHER ELECTRICAL EQPT.	2,072351	2,108528	1,975952	2,162865	2,029456	2,103582	1,824935	2,071352	2,130653	2,152605
30	SHIPBUILDING AND REPAIR	,028692	,031560	,031860	,028384	,038468	,031752	,059032	,039466	,029686	,028428
31	OTHER TRANSPORT EQPT.	1,975264	1,965142	1,841631	2,030214	1,835910	1,962640	1,426147	2,009115	2,017985	2,078146
32	INSTRUMENTS	,604395	,625353	,602814	,987575	,539386	,749369	,443060	,578006	,701991	,621851
33	MISCELLANEOUS MFG.	1,655916	1,083603	,994553	1,128773	,959753	1,082150	,710658	1,229561	1,543304	1,073447
61	U.S. MERCHANT MARINE	,209048	,239525	,249942	,204148	,323025	,238282	,599398	,265921	,216096	,207511
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,060773	,068118	,070536	,059742	,088907	,067823	,157594	,074814	,062683	,060297
40	OTHER TRANS. AND STORAGE	7,010470	7,377626	8,584798	7,340391	7,605203	7,393487	6,929136	7,366033	7,141131	7,706702
41	COMMUNICATIONS	2,519778	2,374589	2,344035	2,953122	2,298648	2,664962	1,759506	2,454457	2,583360	2,421474
42	UTILITIES	1,867745	1,772645	2,001424	1,836623	2,330914	1,818083	1,657075	1,982757	1,822392	2,412699
43	WHOLESALE/RETAIL	44,867581	42,417843	40,784955	43,631934	38,889157	42,038629	29,946002	41,857745	46,328714	42,311707
44	FINANCE ING. AND R.E.	9,248197	8,700256	8,538299	10,083466	8,837850	9,373819	8,669636	8,869324	9,398988	9,059258
45	SERVICES	26,712662	25,574128	25,387521	29,332676	25,696069	35,536798	20,764897	26,839764	27,953775	26,729775
46	GOVERNMENT ENTERPRISE	2,349508	2,177192	2,285933	2,961040	2,439200	2,334203	1,884876	2,289212	2,406367	2,497118
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
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53	COLUMN SUM	240,058920	214,460100	185,485900	209,985800	167,390910	182,870520	126,326350	189,646380	246,328110	196,615630
54	LABOR OUTPUT RATIO	49,617758	49,186612	29,832191	47,373180	20,231214	20,269747	6,791474	32,460757	65,834897	45,777427
55	EMP.MULTIPLIER(INDUCED)	4,838165	4,360132	6,217642	4,432588	8,273894	9,021845	18,600728	5,842328	3,741604	4,295235

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	4,581608	4,445136	4,025877	4,693398	4,585183	8,052686	4,694355	4,706074	4,695340	5,096785
2 OTHER AGRICULTURAL PROD.	5,058202	4,865213	4,397919	5,141761	5,025954	8,774717	5,136017	5,153516	5,149849	5,576561
3 FOREST AND FISH PRODUCTS	,766251	,732710	,678254	,790627	,769616	1,292353	,771470	,783874	,872134	,863192
4 IRON ORES MINING	,063158	,944577	,065437	,275512	,251381	,179839	,158146	,090030	,078397	,138848
5 NONFERROUS ORES MINING	,127738	,292789	2,870428	,339930	,296959	,311260	,194169	,212526	,235514	,227235
6 CRUDE OIL AND NATURAL GAS	,806391	,700741	,615302	,686592	,673013	1,087649	,680006	,647732	,660278	,708636
7 OTHER MINING	4,422859	1,711702	,511942	,781144	,767678	,873202	,617514	,516621	,524594	,600748
8 CONSTRUCTION	2,365487	2,290258	1,836268	2,131039	2,040884	3,154350	2,027476	2,006400	1,991615	2,153639
9 ORDNANCE AND ACCESSORIES	,067955	,074141	,066706	,112867	,099824	,364458	,114678	,115056	,228804	,250726
10 FOOD PRODUCTS AND TOBACCO	4,970433	4,856127	4,411101	5,114233	4,996599	8,793429	5,112353	5,119890	5,110752	5,557257
11 TEXTILE AND APPAREL	6,655036	5,653681	5,070144	6,063257	6,081743	10,429978	6,140031	6,147874	6,253018	6,666202
12 LUMBER AND WOOD PRODUCTS	1,799183	1,631640	1,664181	1,992264	1,920687	2,619920	1,727959	1,856715	2,168526	2,287993
13 PAPER AND PRODUCTS	2,632273	1,589754	1,563107	1,933449	2,169080	2,806959	1,712648	2,089542	2,185265	1,763735
14 PRINTING AND PUBLISHING	2,642953	2,685897	2,559241	2,807749	2,996855	4,444454	2,732715	3,273514	2,817602	2,880527
15 CHEMICALS AND PRODUCTS	1,520521	1,239694	1,186971	1,077530	1,222547	1,519159	1,004572	1,073411	1,230639	,996226
16 OTHER CHEMICAL PRODUCTS	,727899	,680874	,609479	,908363	,865606	1,229211	,743931	,785148	,779540	,819679
17 PETROLEUM REFINING	,518488	,439864	,383048	,443398	,434346	,717562	,447034	,424441	,431319	,462495
18 RUBBER AND PLASTICS	2,259410	1,512101	1,865036	1,698868	2,011749	2,710406	2,024155	2,171881	2,542049	1,748665
19 LEATHER AND PRODUCTS	,982963	,922151	,838283	,976439	,977562	1,708577	,998588	,989895	1,002572	1,071221
20 GLASS AND PRODUCTS	,348158	,329847	,298182	,582957	,389868	,617809	,370051	,462586	,884245	,493017
21 STONE AND CLAY PRODUCTS	48,113146	,675749	,515459	,674918	,649001	1,212655	,869457	,755909	,774916	,822419
22 PRIMARY IRON AND STEEL	1,754034	37,209088	2,150043	10,763981	9,790300	6,945351	6,144296	3,443889	2,959101	5,378377
23 PRIMARY NONFERROUS METALS	,584439	1,511911	29,163981	2,981404	2,571317	2,783176	1,664319	1,937230	2,126696	2,031537
24 MTNG,PLMG,AND STRL. METAL	,358971	,421299	,283518	39,928320	,504350	,673148	,712564	,869583	,375873	2,618175
25 OTHER FABRICATED METALS	1,942083	2,400946	1,947164	3,731474	38,259654	4,154853	3,123476	3,434534	3,146933	3,010176
26 ENGINES AND TURBINES	,131871	,113405	,107472	,186320	,132087	29,701851	,588905	,134198	,182802	1,648827
27 MACHINERY AND EQUIPMENT	2,051307	2,764819	2,213084	3,158756	2,904762	7,938565	45,406882	2,850728	2,108154	5,506947
28 OFFICE MACHINES	,210239	,206176	,181352	,693024	,296621	,379094	,317663	34,520456	,519018	,292642
29 OTHER ELECTRICAL EQPT.	2,306372	2,730883	2,762749	3,311200	2,630852	6,360419	4,052278	12,269142	52,412562	3,398039
30 SHIPBUILDING AND REPAIR	,039745	,049332	,029894	,252678	,048450	,267316	,089542	,035857	,032281	55,185688
31 OTHER TRANSPORT EQPT.	1,979329	2,095553	1,794222	2,393321	2,483216	6,078408	2,549593	2,675474	2,553230	2,781388
32 INSTRUMENTS	,559135	,634467	,525598	,858086	,689234	1,073534	,747343	1,060060	1,024378	,850807
33 MISCELLANEOUS MFG.	1,181890	,993997	,959155	1,045285	1,089704	1,711174	1,050589	1,164383	1,124374	1,097908
61 U.S. MERCHANT MARINE	,325565	,413092	,201635	,261633	,251188	,345272	,222707	,201380	,203754	,228312
62 FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39 SERVICE TO WATER TRANS.	,090238	,112090	,057473	,074103	,071327	,101183	,064308	,058824	,059488	,066461
40 OTHER TRANS. AND STORAGE	9,928195	9,138684	8,047783	8,204729	7,658932	10,923448	7,053306	7,010504	6,840233	7,602168
41 COMMUNICATIONS	2,541148	2,352260	2,064469	2,660177	2,472590	4,125936	2,610230	2,674650	2,693369	2,785242
42 UTILITIES	2,422063	2,251108	2,023932	2,000990	1,964287	2,930172	1,857702	1,778828	1,838049	1,989913
43 WHOLESALE/RETAIL	42,101594	41,096406	38,195735	44,337877	42,016042	72,943460	44,066596	44,930104	43,915545	47,369623
44 FINANCE INS. AND R.E.	9,291648	8,473455	7,615168	9,194475	8,868717	15,053547	9,259325	9,498666	9,192006	9,688573
45 SERVICES	26,929817	26,058203	22,497024	27,505428	26,521663	44,135223	27,101029	27,606173	27,775275	28,627396
46 GOVERNMENT ENTERPRISE	2,588339	2,400493	2,143532	2,362280	2,283426	3,649025	2,275974	2,269424	2,278964	2,427903
47 NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48 COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49 DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50 MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51 INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53 COLUMN SUM	200,750140	181,702320	160,997350	205,117830	192,735060	285,179780	199,215950	199,807320	203,915030	225,771530
54 LABOR OUTPUT RATIO	42,263740	28,897015	19,425012	38,625100	34,962451	27,292691	37,963738	30,775019	40,738276	54,743099
55 EMP.MULTIPLIER(INDUCED)	4,749938	6,287927	8,288146	5,310480	5,512630	10,448943	5,247553	6,492517	5,005490	4,124201

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	4,635419	4,585239	4,414486	4,083591	-------	4,404992	4,654121	4,058646	3,844184	4,314228
2	OTHER AGRICULTURAL PROD.	5,123458	5,107598	5,017135	4,540553	-------	5,062912	5,197850	4,440064	4,516215	4,737359
3	FOREST AND FISH PRODUCTS	,797086	,767058	,844759	,667683	-------	,721545	,757940	,652914	,644424	,751864
4	IRON ORES MINING	,131569	,060482	,062633	,046687	-------	,039563	,032262	,022264	,026500	,023554
5	NONFERROUS ORES MINING	,197206	,205957	,191018	,095134	-------	,080190	,056029	,046377	,051472	,046547
6	CRUDE OIL AND NATURAL GAS	,663542	,641359	,636631	,843538	-------	,783917	,997287	,545816	2,185099	,638614
7	OTHER MINING	,578145	,498960	,516158	,408192	-------	,452398	,408040	,319139	1,691586	,349610
8	CONSTRUCTION	2,004054	1,939974	1,867807	2,309123	-------	2,594605	3,078875	2,519028	3,780780	1,864801
9	ORDNANCE AND ACCESSORIES	,345884	,148538	,088130	,069532	-------	,069054	,068592	,059098	,054844	,067403
10	FOOD PRODUCTS AND TOBACCO	5,035400	4,985601	4,771222	4,417878	-------	4,771442	5,049064	4,417156	4,162084	4,685187
11	TEXTILE AND APPAREL	7,370832	6,857340	8,330487	6,082044	-------	6,168319	6,019874	5,140445	4,922067	5,454318
12	LUMBER AND WOOD PRODUCTS	2,117535	1,776772	2,853454	1,345007	-------	1,419987	1,493896	1,288826	1,350714	1,402330
13	PAPER AND PRODUCTS	1,813163	2,537637	3,552480	1,662546	-------	1,477028	1,576272	1,369028	1,286711	1,779318
14	PRINTING AND PUBLISHING	2,767079	2,736020	2,805568	2,370114	-------	2,461707	2,647538	2,587660	2,154107	2,649693
15	CHEMICALS AND PRODUCTS	1,097254	1,598599	1,400038	,799068	-------	,827469	,880201	,688782	,794996	,791826
16	OTHER CHEMICAL PRODUCTS	,796932	,830930	,822672	,750840	-------	,749247	,710973	,614588	,588143	,669931
17	PETROLEUM REFINING	,434970	,421716	,420328	,805369	-------	,542541	,712418	,358265	,419586	,414879
18	RUBBER AND PLASTICS	2,512205	2,560316	4,187782	1,422061	-------	1,402806	1,640157	1,244709	1,220270	1,439788
19	LEATHER AND PRODUCTS	,977506	1,000005	1,424505	,888450	-------	,914801	,954228	,850920	,794598	,895840
20	GLASS AND PRODUCTS	,707820	,663362	,522457	,488690	-------	,414058	,362450	,290655	,275965	,337816
21	STONE AND CLAY PRODUCTS	,635310	,528462	,558154	,489079	-------	,458190	,488782	,394123	,548976	,395817
22	PRIMARY IRON AND STEEL	5,089893	2,250756	2,349803	1,770051	-------	1,488089	1,198638	,818942	,966928	,862822
23	PRIMARY NONFERROUS METALS	1,730654	1,797465	1,755209	,835079	-------	,690075	,450019	,380423	,396193	,371208
24	HTNG,PLMG,AND STRL. METAL	,461744	,325575	,295319	,400367	-------	,393998	,363850	,296871	,422184	,285599
25	OTHER FABRICATED METALS	4,870242	2,984806	2,618201	2,257811	-------	1,947213	1,449458	1,169033	1,185241	1,273884
26	ENGINES AND TURBINES	,372059	,091832	,076150	,196460	-------	,154917	,116811	,080812	,081185	,066562
27	MACHINERY AND EQUIPMENT	3,634531	1,888768	1,264926	1,514912	-------	1,292728	1,027566	,740488	,898856	,868510
28	OFFICE MACHINES	,516815	,296394	,293510	,181016	-------	,188106	,202331	,176275	,172315	,204883
29	OTHER ELECTRICAL EQPT.	4,458897	5,488563	2,808535	2,019481	-------	2,054997	2,210685	2,434271	1,905889	1,970883
30	SHIPBUILDING AND REPAIR	,105644	,041072	,028219	2,761305	-------	1,837079	,031986	,022058	,031248	,024647
31	OTHER TRANSPORT EQPT.	35,910557	2,341184	2,056849	1,916735	-------	1,975048	2,370607	1,727522	1,627958	1,811042
32	INSTRUMENTS	1,032596	45,061761	,616591	,738012	-------	,668777	,551715	,486706	,439861	,549812
33	MISCELLANEOUS MFG.	1,073752	1,205758	49,838216	,929837	-------	,955974	,974193	,881587	,881869	,969668
61	U,S. MERCHANT MARINE	,218349	,193927	,196307	33,558510	-------	,227082	,239615	,153600	,245738	,171854
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,063069	,056737	,056959	8,521198	-------	65,921044	,068476	,045770	,868757	,058384
40	OTHER TRANS. AND STORAGE	7,510138	6,495071	6,820531	9,255218	-------	7,007070	71,773130	5,010139	6,589775	5,665665
41	COMMUNICATIONS	2,580064	2,618121	2,424110	2,385109	-------	2,373512	2,725223	45,780901	2,021799	2,557139
42	UTILITIES	1,828993	1,731203	1,697974	1,536101	-------	1,739465	1,735713	1,496985	22,695646	1,715899
43	WHOLESALE/RETAIL	43,145368	42,670116	42,210832	36,619781	-------	38,450953	42,347598	34,980681	33,456149	36,848260
44	FINANCE INS. AND R.E.	8,944857	8,911252	8,606616	8,604477	-------	8,877247	9,507238	8,020655	7,756193	9,178495
45	SERVICES	27,792550	27,492078	26,343435	24,356195	-------	25,016998	26,873987	27,085793	21,603112	26,748511
46	GOVERNMENT ENTERPRISE	2,275277	2,192389	2,188191	3,119830	-------	8,865873	3,632951	2,032374	18,909125	2,724342
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
		-------	-------	-------	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	194,358420	196,586760	199,834380	177,529170	-------	207,943020	207,637830	165,717590	149,587650	227,809990
54	LABOR OUTPUT RATIO	25,476640	41,030082	45,783906	30,631780	-------	65,214887	59,760532	43,071319	17,207470	98,876446
55	EMP.MULTIPLIER(INDUCED)	7,628888	4,791284	4,364730	5,795588	*******	3,188582	3,474498	3,847516	8,693181	2,303986

TABLE C7. DIRECT, INDIRECT, AND INDUCED EMPLOYMENT REQUIREMENTS PER MILLION DOLLAR OF DELIVERY TO FINAL DEMAND

		44	45	46	47	48	49	50	51	52
1	LIVESTOCK AND PRODUCTS	4,223127	4,785805	4,976512	-------	-------	8,047267	5,092954	-------	5,584249
2	OTHER AGRICULTURAL PROD.	4,862500	5,342061	7,131138	-------	-------	8,365484	5,531020	-------	6,064573
3	FOREST AND FISH PRODUCTS	,725732	,783174	,893469	-------	-------	1,267757	,796514	-------	,873351
4	IRON ORES MINING	,022592	,031270	,032027	-------	-------	,049391	,023527	-------	,025796
5	NONFERROUS ORES MINING	,047051	,060350	,063909	-------	-------	,101181	,046035	-------	,050476
6	CRUDE OIL AND NATURAL GAS	,549680	,671951	,854830	-------	-------	,729277	,612769	-------	,671880
7	OTHER MINING	,342943	,414199	,912305	-------	-------	,400640	,335179	-------	,367512
8	CONSTRUCTION	3,363837	2,274659	6,013043	-------	-------	2,219918	1,685413	-------	1,847997
9	ORDNANCE AND ACCESSORIES	,054198	,072160	,068324	-------	-------	,158992	,069137	-------	,075806
10	FOOD PRODUCTS AND TOBACCO	3,967265	5,157944	5,332303	-------	-------	9,334897	5,569096	-------	6,106322
11	TEXTILE AND APPAREL	4,628318	6,155517	6,223482	-------	-------	6,102718	6,494290	-------	7,120765
12	LUMBER AND WOOD PRODUCTS	1,274106	1,521516	1,803635	-------	-------	1,733040	1,461843	-------	1,602861
13	PAPER AND PRODUCTS	1,291900	2,161352	1,633132	-------	-------	4,064649	1,493440	-------	1,637506
14	PRINTING AND PUBLISHING	2,373915	6,428888	2,864756	-------	-------	8,247191	2,567006	-------	2,814634
15	CHEMICALS AND PRODUCTS	,711161	,999940	1,101505	-------	-------	1,176926	,796270	-------	,873083
16	OTHER CHEMICAL PRODUCTS	,570852	,961221	,787724	-------	-------	,804848	,732533	-------	,803197
17	PETROLEUM REFINING	,354491	,437391	,511880	-------	-------	,499505	,407072	-------	,446340
18	RUBBER AND PLASTICS	1,145268	1,768886	1,587700	-------	-------	1,870940	1,413662	-------	1,550032
19	LEATHER AND PRODUCTS	,756848	1,094210	1,001221	-------	-------	1,115434	1,074395	-------	1,178037
20	GLASS AND PRODUCTS	,267478	,395158	,361759	-------	-------	,484244	,340659	-------	,373521
21	STONE AND CLAY PRODUCTS	,459993	,499054	,749276	-------	-------	,453336	,345974	-------	,379349
22	PRIMARY IRON AND STEEL	,815592	1,150788	1,168455	-------	-------	1,852567	,862064	-------	,945224
23	PRIMARY NONFERROUS METALS	,360612	,486990	,509441	-------	-------	,868512	,368060	-------	,403566
24	HTNG,PLMG,AND STRL, METAL	,380597	,296829	,630207	-------	-------	,397204	,229378	-------	,251505
25	OTHER FABRICATED METALS	1,088956	1,933333	1,501080	-------	-------	2,278288	1,294769	-------	1,419669
26	ENGINES AND TURBINES	,058073	,097071	,103809	-------	-------	,115126	,067200	-------	,073682
27	MACHINERY AND EQUIPMENT	,786977	1,224627	1,030906	-------	-------	1,382465	,801376	-------	,878681
28	OFFICE MACHINES	,225103	,292172	,231818	-------	-------	,258276	,188807	-------	,207020
29	OTHER ELECTRICAL EQPT.	1,741615	2,500646	2,244854	-------	-------	2,862562	2,122027	-------	2,326730
30	SHIPBUILDING AND REPAIR	,023472	,028088	,050778	-------	-------	,062684	,024616	-------	,026990
31	OTHER TRANSPORT EQPT.	1,568502	2,282775	2,075349	-------	-------	2,246731	2,147430	-------	2,354583
32	INSTRUMENTS	,446400	,886835	,569071	-------	-------	1,300659	,530628	-------	,581815
33	MISCELLANEOUS MFG.	,786866	1,377765	1,015570	-------	-------	2,384421	1,029253	-------	1,128541
61	U.S. MERCHANT MARINE	,154462	,190322	,386312	-------	-------	,290700	,177705	-------	,194847
62	FOREIGN SHIPS	-------	-------	-------	-------	-------	-------	-------	-------	-------
39	SERVICE TO WATER TRANS.	,045211	,056009	,106037	-------	-------	,080597	,053880	-------	,059077
40	OTHER TRANS. AND STORAGE	5,035106	6,365681	10,408838	-------	-------	25,617407	5,452910	-------	5,978928
41	COMMUNICATIONS	2,157394	3,900822	2,532384	-------	-------	2,526848	2,324681	-------	2,548933
42	UTILITIES	1,334132	1,896423	3,165566	-------	-------	1,642296	1,600080	-------	1,754432
43	WHOLESALE/RETAIL	32,177807	42,304962	42,313641	-------	-------	43,408377	42,654055	-------	46,768702
44	FINANCE INS. AND R.E.	29,171391	9,941648	9,684864	-------	-------	8,547577	9,179980	-------	10,065531
45	SERVICES	23,207938	97,195238	28,151560	-------	-------	32,376842	25,775696	-------	28,262162
46	GOVERNMENT ENTERPRISE	2,426453	2,694606	52,076669	-------	-------	2,598964	2,060615	-------	2,259394
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------	-------	-------
		-------	-------	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	135,985920	219,120340	204,861110	-------	-------	190,386740	135,834000	-------	148,937300
54	LABOR OUTPUT RATIO	24,030434	67,256720	49,143167	-------	-------	-------	-------	-------	-------
55	EMP.MULTIPLIER(INDUCED)	6,788965	3,257969	4,168659	**********	**********	**********	**********	**********	**********

1967 MarAd I-O Tables
(D Series)

TABLE D1, DIRECT EMPLOYMENT COMPENSATION IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES

TABLE D2, DIRECT, INDIRECT BUSINESS TAX IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES

TABLE D3, DIRECT PROPERTY TYPE INCOME IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES

TABLE D4, DIRECT, AND INDIRECT EMPLOYMENT COMPENSATION IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D5, DIRECT AND INDIRECT, INDIRECT BUSINESS TAX IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D6, DIRECT, AND INDIRECT PROPERTY TYPE INCOME IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D7, DIRECT, INDIRECT, AND INDUCED EMPLOYMENT COMPENSATION IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D8, DIRECT, INDIRECT, AND INDUCED INDIRECT BUSINESS TAX IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D9, DIRECT, INDIRECT, AND INDUCED PROPERTY TYPE INCOME IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES

TABLE D1. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES /EMPLOYMENT COMPENSATION/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------	-------	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	.000052	.000124	.000118	.000124	.000110	.000127	.000133
8	CONSTRUCTION	.001395	.003009	.003017	.003092	.003047	.003034	.003002
9	ORDNANCE AND ACCESSORIES	.001806	-------	-------	-------	-------	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	.000071	.000076	.000053	.000071	.000055	.000073
11	TEXTILE AND APPAREL	.000352	.001757	.001733	.001791	.001718	.001741	.001730
12	LUMBER AND WOOD PRODUCTS	.002635	-------	-------	-------	-------	-------	-------
13	PAPER AND PRODUCTS	.000132	.000349	.000348	.000365	.000365	.000374	.000321
14	PRINTING AND PUBLISHING	.000029	.000093	.000067	-------	.000062	-------	.000064
15	CHEMICALS AND PRODUCTS	.000029	-------	-------	-------	-------	-------	-------
16	OTHER CHEMICAL PRODUCTS	.000384	.000810	.000811	.000830	.000805	.000774	.000808
17	PETROLEUM REFINING	.000210	.001804	.001798	.001835	.001800	.001785	.001800
18	RUBBER AND PLASTICS	.000443	.000465	.000412	.000406	.000361	.000417	.000233
19	LEATHER AND PRODUCTS	.000013	-------	-------	-------	-------	-------	-------
20	GLASS AND PRODUCTS	.000756	.000723	.000736	.000700	.000685	.000719	.000729
21	STONE AND CLAY PRODUCTS	.001798	.000096	.000083	.000115	.000103	.000118	.000088
22	PRIMARY IRON AND STEEL	.021635	.002140	.002159	.002179	.002130	.002123	.002133
23	PRIMARY NONFERROUS METALS	.006036	.001151	.001146	.001184	.001136	.001151	.001144
24	HTNG,PLMG,AND STRL. METAL	.015562	-------	-------	-------	-------	-------	-------
25	OTHER FABRICATED METALS	.008110	.005034	.005010	.004910	.005009	.004923	.005002
26	ENGINES AND TURBINES	.013319	.000263	.000260	.000297	.000264	.000304	.000257
27	MACHINERY AND EQUIPMENT	.028492	.002029	.001980	.002136	.002011	.001934	.002018
28	OFFICE MACHINES	.000258	-------	-------	-------	-------	-------	-------
29	OTHER ELECTRICAL EQPT.	.004250	.000361	.000396	.000510	.000340	.000654	.000351
30	SHIPBUILDING AND REPAIR	.003018	.014174	.014158	.014453	.014088	.014154	.014144
31	OTHER TRANSPORT EQPT.	.002727	.000634	.000629	.000586	.000608	.000601	.000642
32	INSTRUMENTS	.001397	.001139	.001135	.001044	.001134	.001071	.001117
33	MISCELLANEOUS MFG.	.000023	.000237	.000235	.000219	.000243	.000225	.000218
34	DEEPSEA FOREIGN	-------	-------	.000081	-------	-------	-------	-------
35	DEEPSEA DOMESTIC	.000016	.000120	.004243	.000152	.000101	.000156	.000105
36	GREAT LAKES TRANS.	-------	.000014	-------	.000172	-------	-------	-------
37	RIVER AND CANAL TRANS.	.000013	.000042	.000030	-------	.057262	-------	.000057
38	LOCAL WATER TRANS.	-------	.014424	.047112	-------	.043407	-------	-------
39	SERVICE TO WATER TRANS.	-------	.030567	.079003	.011653	.011210	.001967	.003813
40	OTHER TRANS. AND STORAGE	.004517	.016122	.021379	.022699	.018985	.009379	.006896
41	COMMUNICATIONS	.001877	.001705	.001721	.001770	.001686	.001557	.001702
42	UTILITIES	.000946	.000383	.000366	.000396	.000396	.000406	.000371
43	WHOLESALE/RETAIL	.016746	.006755	.006527	.006005	.006258	.005523	.006398
44	FINANCE INS. AND R.E.	.001379	.003920	.003900	.004096	.003951	.003946	.004286
45	SERVICES	.006261	.008490	.008493	.008558	.008438	.008505	.008467
46	GOVERNMENT ENTERPRISE	.000460	.001789	.001792	.001706	.002047	.001575	.062052
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.147076	.120793	.210956	.094036	.189829	.069297	.130153
53	EC OUTPUT RATIO	.436068	.112999	.201637	.228249	.332441	.578825	.591635
54	MULTIPLIER (DIRECT)	.337277	1.068978	1.046219	.411991	.571017	.119720	.332332

TABLE D2, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES /INDIRECT BUSINESS TAX/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------	-------	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	,000003	,000008	,000008	,000008	,000007	,000008	,000008
8	CONSTRUCTION	,000022	,000047	,000047	,000049	,000048	,000048	,000047
9	ORDNANCE AND ACCESSORIES	,000032	-------	-------	-------	-------	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	,000034	,000036	,000025	,000034	,000026	,000035
11	TEXTILE AND APPAREL	,000007	,000033	,000033	,000034	,000032	,000033	,000032
12	LUMBER AND WOOD PRODUCTS	,000078	-------	-------	-------	-------	-------	-------
13	PAPER AND PRODUCTS	,000005	,000014	,000014	,000014	,000014	,000015	,000013
14	PRINTING AND PUBLISHING	,000001	,000002	,000001	-------	,000001	-------	,000001
15	CHEMICALS AND PRODUCTS	,000001	-------	-------	-------	-------	-------	-------
16	OTHER CHEMICAL PRODUCTS	,000014	,000029	,000029	,000030	,000029	,000028	,000029
17	PETROLEUM REFINING	,000282	,002423	,002416	,002465	,002418	,002398	,002419
18	RUBBER AND PLASTICS	,000047	,000050	,000044	,000043	,000039	,000045	,000025
19	LEATHER AND PRODUCTS	,000000	-------	-------	-------	-------	-------	-------
20	GLASS AND PRODUCTS	,000018	,000017	,000017	,000016	,000016	,000017	,000017
21	STONE AND CLAY PRODUCTS	,000066	,000004	,000003	,000004	,000004	,000004	,000003
22	PRIMARY IRON AND STEEL	,000844	,000083	,000084	,000085	,000083	,000083	,000083
23	PRIMARY NONFERROUS METALS	,000271	,000052	,000051	,000053	,000051	,000052	,000051
24	HTNG,PLMG,AND STRL. METAL	,000390	-------	-------	-------	-------	-------	-------
25	OTHER FABRICATED METALS	,000208	,000129	,000128	,000126	,000128	,000126	,000128
26	ENGINES AND TURBINES	,000358	,000007	,000007	,000008	,000007	,000008	,000007
27	MACHINERY AND EQUIPMENT	,000656	,000047	,000046	,000049	,000046	,000045	,000046
28	OFFICE MACHINES	,000005	-------	-------	-------	-------	-------	-------
29	OTHER ELECTRICAL EQPT.	,000078	,000007	,000007	,000009	,000006	,000012	,000006
30	SHIPBUILDING AND REPAIR	,007064	,000301	,000301	,000307	,000299	,000301	,000301
31	OTHER TRANSPORT EQPT.	,000334	,000078	,000077	,000072	,000074	,000074	,000079
32	INSTRUMENTS	,000029	,000023	,000023	,000021	,000023	,000022	,000023
33	MISCELLANEOUS MFG.	,000001	,000005	,000005	,000005	,000006	,000005	,000005
34	DEEPSEA FOREIGN	-------	-------	,000009	-------	-------	-------	-------
35	DEEPSEA DOMESTIC	,000002	,000014	,000488	,000017	,000012	,000018	,000012
36	GREAT LAKES TRANS.	-------	,000002	-------	,000027	-------	-------	-------
37	RIVER AND CANAL TRANS.	,000001	,000003	,000002	-------	,004383	-------	,000004
38	LOCAL WATER TRANS.	-------	,001107	,003617	-------	,003332	-------	-------
39	SERVICE TO WATER TRANS.	-------	,002792	,007217	,001065	,001024	,000180	,000348
40	OTHER TRANS. AND STORAGE	,000385	,001376	,001825	,001937	,001620	,000800	,000589
41	COMMUNICATIONS	,000620	,000563	,000569	,000585	,000557	,000514	,000562
42	UTILITIES	,000407	,000165	,000158	,000170	,000170	,000175	,000160
43	WHOLESALE/RETAIL	,004268	,001722	,001663	,001530	,001595	,001408	,001631
44	FINANCE INS. AND R.E.	,001303	,003702	,003684	,003868	,003732	,003727	,004048
45	SERVICES	,000221	,000299	,000299	,000302	,000297	,000300	,000298
46	GOVERNMENT ENTERPRISE	,000004	,000015	,000015	,000015	,000017	,000013	,000529
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	,011025	,015153	,022925	,012941	,020107	,010483	,011541
53	IBT OUTPUT RATIO	,009267	,013008	,023204	,035405	,025444	,044436	,035776
54	MULTIPLIER (DIRECT)	1,189727	1,164907	,967978	,365519	,790242	,235906	,322593

TABLE D3. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES /PROPERTY TYPE INCOME/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	-------	-------	-------	-------	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------	-------	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------	-------	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------	-------	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------	-------	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------	-------	-------	-------	-------
7	OTHER MINING	.000035	.000084	.000081	.000085	.000075	.000087	.000091
8	CONSTRUCTION	.000308	.000664	.000666	.000683	.000673	.000670	.000663
9	ORDNANCE AND ACCESSORIES	.000304	-------	-------	-------	-------	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	.000039	.000042	.000029	.000039	.000030	.000040
11	TEXTILE AND APPAREL	.000105	.000522	.000515	.000532	.000510	.000517	.000514
12	LUMBER AND WOOD PRODUCTS	.001163	-------	-------	-------	-------	-------	-------
13	PAPER AND PRODUCTS	.000065	.000170	.000170	.000178	.000178	.000182	.000156
14	PRINTING AND PUBLISHING	.000009	.000030	.000021	-------	.000020	-------	.000020
15	CHEMICALS AND PRODUCTS	.000027	-------	-------	-------	-------	-------	-------
16	OTHER CHEMICAL PRODUCTS	.000317	.000668	.000669	.000685	.000664	.000638	.000666
17	PETROLEUM REFINING	.000146	.001257	.001253	.001279	.001254	.001244	.001255
18	RUBBER AND PLASTICS	.000183	.000192	.000170	.000168	.000149	.000172	.000096
19	LEATHER AND PRODUCTS	.000003	-------	-------	-------	-------	-------	-------
20	GLASS AND PRODUCTS	.000354	.000338	.000345	.000328	.000321	.000336	.000341
21	STONE AND CLAY PRODUCTS	.000808	.000043	.000037	.000052	.000046	.000053	.000040
22	PRIMARY IRON AND STEEL	.006731	.000666	.000672	.000678	.000663	.000661	.000664
23	PRIMARY NONFERROUS METALS	.003682	.000702	.000699	.000722	.000693	.000702	.000698
24	HTNG.PLMG.AND STRL. METAL	.004887	-------	-------	-------	-------	-------	-------
25	OTHER FABRICATED METALS	.003590	.002228	.002217	.002173	.002217	.002179	.002214
26	ENGINES AND TURBINES	.004471	.000088	.000087	.000100	.000088	.000102	.000086
27	MACHINERY AND EQUIPMENT	.008995	.000640	.000625	.000674	.000635	.000610	.000637
28	OFFICE MACHINES	.000099	-------	-------	-------	-------	-------	-------
29	OTHER ELECTRICAL EQPT.	.001197	.000102	.000112	.000144	.000096	.000184	.000099
30	SHIPBUILDING AND REPAIR	.000419	.001970	.001968	.002009	.001958	.001967	.001966
31	OTHER TRANSPORT EQPT.	.000564	.000131	.000130	.000121	.000126	.000124	.000133
32	INSTRUMENTS	.000769	.000627	.000625	.000575	.000625	.000590	.000616
33	MISCELLANEOUS MFG.	.000088	.000086	.000085	.000080	.000088	.000082	.000079
34	DEEPSEA FOREIGN	-------	-------	.000056	-------	-------	-------	-------
35	DEEPSEA DOMESTIC	.000011	.000083	.002922	.000105	.000070	.000107	.000072
36	GREAT LAKES TRANS.	-------	.000018	-------	.000221	-------	-------	-------
37	RIVER AND CANAL TRANS.	.000002	.000005	.000004	-------	.007035	-------	.000007
38	LOCAL WATER TRANS.	-------	.001762	.005755	-------	.005303	-------	-------
39	SERVICE TO WATER TRANS.	-------	.010400	.026881	.003965	.003814	.000669	.001297
40	OTHER TRANS. AND STORAGE	.001760	.006283	.008331	.008846	.007398	.003655	.002687
41	COMMUNICATIONS	.001876	.001704	.001720	.001769	.001685	.001556	.001701
42	UTILITIES	.002062	.000835	.000799	.000864	.000864	.000886	.000809
43	WHOLESALE/RETAIL	.004766	.001923	.001858	.001709	.001781	.001572	.001821
44	FINANCE INS. AND R.E.	.004487	.012751	.012687	.013823	.012853	.012835	.013942
45	SERVICES	.003913	.005307	.005309	.005349	.005275	.005316	.005293
46	GOVERNMENT ENTERPRISE	.000114	.000441	.000442	.000421	.000505	.000389	.015312
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.058231	.052761	.077952	.067864	.057699	.038117	.054014
53	PTI OUTPUT RATIO	.060608	.077767	.138861	.293032	.040844	.070711	.133253
54	MULTIPLIER (DIRECT)	.960776	.678455	.561367	.163340	1.412690	.539046	.405351

TABLE D4. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /EC/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.000111	.000084	.000105	.000078	.000100	.000070	.000105
2	OTHER AGRICULTURAL PROD.	.000219	.000207	.000283	.000188	.000237	.000161	.000452
3	FOREST AND FISH PRODUCTS	.000237	.000103	.000131	.000097	.000122	.000086	.000147
4	IRON ORES MINING	.001142	.000203	.000244	.000193	.000245	.000181	.000196
5	NONFERROUS ORES MINING	.001440	.000341	.000408	.000325	.000408	.000307	.000329
6	CRUDE OIL AND NATURAL GAS	.000368	.000856	.001043	.000831	.001038	.000743	.000870
7	OTHER MINING	.002302	.000899	.001146	.000834	.001036	.000761	.001438
8	CONSTRUCTION	.004815	.006644	.008676	.006328	.007889	.005458	.010977
9	ORDNANCE AND ACCESSORIES	.002373	.000153	.000184	.000146	.000184	.000138	.000146
10	FOOD PRODUCTS AND TOBACCO	.001160	.000715	.000900	.000662	.000858	.000592	.000879
11	TEXTILE AND APPAREL	.001870	.003986	.004725	.003801	.004725	.003556	.003750
12	LUMBER AND WOOD PRODUCTS	.004830	.000879	.001094	.000835	.001050	.000758	.001103
13	PAPER AND PRODUCTS	.002564	.001836	.002223	.001747	.002227	.001628	.001862
14	PRINTING AND PUBLISHING	.003077	.002253	.002732	.002046	.002660	.001860	.002491
15	CHEMICALS AND PRODUCTS	.002038	.001223	.001505	.001151	.001439	.001040	.001474
16	OTHER CHEMICAL PRODUCTS	.001083	.001339	.001614	.001279	.001602	.001158	.001357
17	PETROLEUM REFINING	.000843	.002603	.003155	.002531	.003160	.002268	.002505
18	RUBBER AND PLASTICS	.003141	.002037	.002387	.001898	.002320	.001735	.001843
19	LEATHER AND PRODUCTS	.000144	.000079	.000096	.000074	.000094	.000069	.000085
20	GLASS AND PRODUCTS	.001324	.001100	.001334	.001011	.001278	.000985	.001052
21	STONE AND CLAY PRODUCTS	.003534	.000952	.001176	.000927	.001147	.000842	.001227
22	PRIMARY IRON AND STEEL	.045479	.008007	.009624	.007606	.009634	.007137	.007687
23	PRIMARY NONFERROUS METALS	.014270	.003403	.004067	.003249	.004073	.003068	.003259
24	HTNG,PLMG,AND STRL. METAL	.017038	.001190	.001470	.001133	.001423	.001037	.001439
25	OTHER FABRICATED METALS	.014884	.007750	.009243	.007161	.009313	.006875	.007337
26	ENGINES AND TURBINES	.015229	.001004	.001202	.000992	.001214	.000944	.000950
27	MACHINERY AND EQUIPMENT	.041577	.005714	.006790	.005533	.006853	.005027	.005478
28	OFFICE MACHINES	.000938	.000220	.000272	.000211	.000264	.000191	.000260
29	OTHER ELECTRICAL EQPT.	.011147	.002299	.002857	.002370	.002763	.002362	.002348
30	SHIPBUILDING AND REPAIR	.439429	.015826	.018806	.015062	.019014	.014388	.014471
31	OTHER TRANSPORT EQPT.	.007118	.001947	.002374	.001845	.002335	.001647	.001844
32	INSTRUMENTS	.002520	.001799	.002145	.001591	.002162	.001551	.001692
33	MISCELLANEOUS MFG.	.000635	.000632	.000758	.000579	.000769	.000551	.000611
34	DEEPSEA FOREIGN	.000251	.113091	.000202	.000085	.000107	.000076	.000159
35	DEEPSEA DOMESTIC	.000100	.000239	.206136	.000262	.000270	.000247	.000218
36	GREAT LAKES TRANS.	.000133	.000042	.000034	.228447	.000034	.000025	.000031
37	RIVER AND CANAL TRANS.	.000194	.000131	.000147	.000074	.401710	.000063	.000171
38	LOCAL WATER TRANS.	.000087	.014512	.048213	.000085	.052533	.578904	.000097
39	SERVICE TO WATER TRANS.	.000122	.031043	.081788	.011907	.013997	.002109	.395623
40	OTHER TRANS. AND STORAGE	.016256	.024002	.033546	.030235	.032736	.014789	.017176
41	COMMUNICATIONS	.004146	.003351	.004089	.003279	.004025	.002782	.003365
42	UTILITIES	.003352	.001660	.002171	.001537	.001943	.001371	.003077
43	WHOLESALE/RETAIL	.033454	.015441	.018566	.014141	.018039	.012235	.015683
44	FINANCE INS. AND R.E.	.005227	.007352	.008985	.007165	.008895	.006434	.008004
45	SERVICES	.019217	.017233	.021065	.016450	.020701	.015041	.018400
46	GOVERNMENT ENTERPRISE	.003976	.009258	.018196	.006184	.007933	.003853	.065853
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.735395	.315635	.537905	.394167	.656554	.707102	.609522
53	EC OUTPUT RATIO	.436068	.112999	.201637	.228249	.332441	.578825	.391635
54	MULTIPLIER (INDIRECT)	1.686423	2.793262	2.667691	1.726920	1.974952	1.221615	1.556353

TABLE D5. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /IBT/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.000070	.000053	.000067	.000050	.000063	.000044	.000067
2	OTHER AGRICULTURAL PROD.	.000095	.000090	.000122	.000081	.000102	.000069	.000195
3	FOREST AND FISH PRODUCTS	.000021	.000009	.000011	.000009	.000011	.000008	.000013
4	IRON ORES MINING	.000222	.000040	.000048	.000038	.000048	.000035	.000038
5	NONFERROUS ORES MINING	.000191	.000045	.000054	.000043	.000054	.000041	.000044
6	CRUDE OIL AND NATURAL GAS	.000306	.000713	.000869	.000692	.000865	.000619	.000725
7	OTHER MINING	.000146	.000057	.000073	.000053	.000066	.000048	.000091
8	CONSTRUCTION	.000076	.000105	.000137	.000100	.000124	.000086	.000173
9	ORDNANCE AND ACCESSORIES	.000042	.000003	.000003	.000003	.000003	.000002	.000303
10	FOOD PRODUCTS AND TOBACCO	.000552	.000340	.000428	.000315	.000408	.000282	.000418
11	TEXTILE AND APPAREL	.000035	.000075	.000089	.000071	.000089	.000067	.000070
12	LUMBER AND WOOD PRODUCTS	.000143	.000026	.000032	.000025	.000031	.000022	.000053
13	PAPER AND PRODUCTS	.000101	.000073	.000088	.000069	.000088	.000064	.000074
14	PRINTING AND PUBLISHING	.000061	.000044	.000054	.000040	.000052	.000037	.000049
15	CHEMICALS AND PRODUCTS	.000101	.000061	.000075	.000057	.000071	.000052	.000073
16	OTHER CHEMICAL PRODUCTS	.000039	.000048	.000058	.000046	.000057	.000041	.000049
17	PETROLEUM REFINING	.001132	.003496	.004237	.003400	.004245	.003047	.003365
18	RUBBER AND PLASTICS	.000336	.000218	.000255	.000203	.000248	.000186	.000197
19	LEATHER AND PRODUCTS	.000002	.000001	.000001	.000001	.000001	.000001	.000001
20	GLASS AND PRODUCTS	.000031	.000026	.000031	.000024	.000030	.000023	.000025
21	STONE AND CLAY PRODUCTS	.000131	.000035	.000043	.000034	.000042	.000031	.000045
22	PRIMARY IRON AND STEEL	.001775	.000312	.000375	.000297	.000376	.000278	.000300
23	PRIMARY NONFERROUS METALS	.000641	.000153	.000183	.000146	.000183	.000138	.000146
24	HTNG.PLMG.AND STRL. METAL	.000426	.000030	.000037	.000028	.000036	.000026	.000036
25	OTHER FABRICATED METALS	.000381	.000198	.000237	.000183	.000239	.000176	.000188
26	ENGINES AND TURBINES	.000410	.000027	.000032	.000027	.000033	.000025	.000026
27	MACHINERY AND EQUIPMENT	.000958	.000132	.000156	.000127	.000158	.000116	.000126
28	OFFICE MACHINES	.000018	.000004	.000005	.000004	.000005	.000004	.000005
29	OTHER ELECTRICAL EQPT.	.000205	.000042	.000053	.000044	.000051	.000044	.000043
30	SHIPBUILDING AND REPAIR	.009339	.000336	.000400	.000320	.000404	.000306	.000308
31	OTHER TRANSPORT EQPT.	.000873	.000239	.000291	.000226	.000286	.000202	.000226
32	INSTRUMENTS	.000051	.000037	.000044	.000033	.000044	.000032	.000035
33	MISCELLANEOUS MFG.	.000015	.000015	.000018	.000013	.000018	.000013	.000014
34	DEEPSEA FOREIGN	.000029	.013019	.000023	.000010	.000012	.000009	.000018
35	DEEPSEA DOMESTIC	.000011	.000027	.023721	.000030	.000031	.000028	.000025
36	GREAT LAKES TRANS.	.000021	.000007	.000005	.035436	.000005	.000004	.000005
37	RIVER AND CANAL TRANS.	.000015	.000010	.000011	.000006	.038745	.000005	.000013
38	LOCAL WATER TRANS.	.000007	.001114	.003701	.000007	.004033	.044442	.000007
39	SERVICE TO WATER TRANS.	.000011	.002836	.007471	.001088	.001279	.000193	.036140
40	OTHER TRANS. AND STORAGE	.001387	.002048	.002863	.002580	.002794	.001262	.001466
41	COMMUNICATIONS	.001370	.001107	.001351	.001083	.001330	.000919	.001112
42	UTILITIES	.001442	.000714	.000934	.000662	.000836	.000590	.001324
43	WHOLESALE/RETAIL	.008526	.003935	.004732	.003604	.004597	.003118	.003997
44	FINANCE INS. AND R.E.	.004937	.006944	.008486	.006767	.008401	.006077	.007560
45	SERVICES	.000677	.000607	.000743	.000580	.000730	.000530	.000649
46	GOVERNMENT ENTERPRISE	.000034	.000079	.000155	.000053	.000068	.000033	.000562
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.037392	.039530	.062804	.058706	.063393	.063574	.060078
53	IBT OUTPUT RATIO	.009267	.013008	.023204	.035405	.025444	.044436	.035776
54	MULTIPLIER (INDIRECT)	4.034846	3.038820	2.706648	1.658138	2.491506	1.426188	1.679279

TABLE D6. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /PTI/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.000559	.000422	.000529	.000396	.000505	.000354	.000530
2	OTHER AGRICULTURAL PROD.	.001096	.001037	.001415	.000938	.001184	.000804	.002262
3	FOREST AND FISH PRODUCTS	.000411	.000179	.000226	.000168	.000211	.000150	.000254
4	IRON ORES MINING	.000929	.000165	.000199	.000157	.000199	.000147	.000159
5	NONFERROUS ORES MINING	.000453	.000107	.000128	.000102	.000128	.000096	.000103
6	CRUDE OIL AND NATURAL GAS	.002914	.006789	.008271	.006588	.008228	.005893	.006599
7	OTHER MINING	.001570	.000613	.000781	.000569	.000707	.000519	.000981
8	CONSTRUCTION	.001063	.001467	.001916	.001397	.001742	.001205	.002424
9	ORDNANCE AND ACCESSORIES	.000399	.000026	.000031	.000025	.000031	.000023	.000025
10	FOOD PRODUCTS AND TOBACCO	.000632	.000389	.000494	.000361	.000467	.000323	.000479
11	TEXTILE AND APPAREL	.000555	.001184	.001503	.001129	.001403	.001056	.001114
12	LUMBER AND WOOD PRODUCTS	.002132	.000386	.000483	.000368	.000464	.000335	.000487
13	PAPER AND PRODUCTS	.001250	.000895	.001084	.000852	.001086	.000794	.000907
14	PRINTING AND PUBLISHING	.000975	.000714	.000866	.000648	.000843	.000589	.000789
15	CHEMICALS AND PRODUCTS	.001947	.001168	.001437	.001100	.001375	.000993	.001408
16	OTHER CHEMICAL PRODUCTS	.000894	.001105	.001332	.001055	.001322	.000955	.001120
17	PETROLEUM REFINING	.000587	.001813	.002198	.001764	.002202	.001580	.001746
18	RUBBER AND PLASTICS	.001297	.000841	.000985	.000784	.000958	.000716	.000761
19	LEATHER AND PRODUCTS	.000035	.000019	.000023	.000018	.000023	.000017	.000021
20	GLASS AND PRODUCTS	.000620	.000515	.000625	.000473	.000598	.000461	.000493
21	STONE AND CLAY PRODUCTS	.001588	.000428	.000528	.000416	.000515	.000378	.000551
22	PRIMARY IRON AND STEEL	.014150	.002491	.002994	.002366	.002997	.002220	.002392
23	PRIMARY NONFERROUS METALS	.008703	.002076	.002481	.001982	.002484	.001871	.001988
24	HTNG,PLMG,AND STRL. METAL	.005350	.000374	.000462	.000356	.000447	.000326	.000452
25	OTHER FABRICATED METALS	.006588	.003430	.004091	.003170	.004122	.003043	.003247
26	ENGINES AND TURBINES	.005113	.000337	.000403	.000333	.000407	.000317	.000319
27	MACHINERY AND EQUIPMENT	.013126	.001804	.002144	.001747	.002163	.001587	.001729
28	OFFICE MACHINES	.000361	.000085	.000105	.000081	.000101	.000074	.000100
29	OTHER ELECTRICAL EQPT.	.003140	.000648	.000805	.000668	.000778	.000665	.000661
30	SHIPBUILDING AND REPAIR	.061076	.002200	.002614	.002093	.002643	.002000	.002011
31	OTHER TRANSPORT EQPT.	.001472	.000403	.000491	.000382	.000483	.000341	.000381
32	INSTRUMENTS	.001389	.000991	.001182	.000876	.001191	.000855	.000932
33	MISCELLANEOUS MFG.	.000231	.000230	.000275	.000210	.000279	.000200	.000222
34	DEEPSEA FOREIGN	.000173	.077830	.000139	.000058	.000073	.000052	.000109
35	DEEPSEA DOMESTIC	.000069	.000165	.141960	.000180	.000186	.000170	.000150
36	GREAT LAKES TRANS.	.000171	.000054	.000044	.293287	.000043	.000232	.000040
37	RIVER AND CANAL TRANS.	.000024	.000016	.000018	.000009	.049354	.000008	.000021
38	LOCAL WATER TRANS.	.000011	.001773	.005890	.000010	.006418	.070721	.000012
39	SERVICE TO WATER TRANS.	.000041	.010562	.027828	.004051	.004762	.000717	.134610
40	OTHER TRANS. AND STORAGE	.006335	.009353	.013073	.011783	.012757	.005763	.006693
41	COMMUNICATIONS	.004144	.003349	.004087	.003277	.004023	.002781	.003363
42	UTILITIES	.007309	.003619	.004734	.003352	.004236	.002989	.006710
43	WHOLESALE/RETAIL	.009522	.004395	.005284	.004025	.005134	.003483	.004464
44	FINANCE INS. AND R.E.	.017003	.023915	.029228	.023307	.028935	.020929	.026037
45	SERVICES	.012012	.010771	.013167	.010282	.012939	.009402	.011501
46	GOVERNMENT ENTERPRISE	.000981	.002285	.004490	.001526	.001958	.000951	.016250
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.200398	.183418	.292939	.388721	.173106	.143884	.247908
53	PTI OUTPUT RATIO	.060608	.077767	.138861	.293032	.040844	.077711	.133253
54	MULTIPLIER (INDIRECT)	3.306440	2.358558	2.109581	1.326547	4.238256	2.145550	1.861435

TABLE 07, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /EC/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.003558	.001752	.002933	.002552	.003070	.003182	.003073
2	OTHER AGRICULTURAL PROD.	.005707	.002863	.004737	.004125	.004965	.005114	.005176
3	FOREST AND FISH PRODUCTS	.002255	.001080	.001769	.001545	.001861	.001908	.001884
4	IRON ORES MINING	.001367	.000312	.000427	.000355	.000438	.000384	.000390
5	NONFERROUS ORES MINING	.001793	.000511	.000694	.000578	.000712	.000625	.000633
6	CRUDE OIL AND NATURAL GAS	.002271	.001777	.002588	.002197	.002678	.002461	.002509
7	OTHER MINING	.005017	.002213	.003350	.002783	.003376	.003212	.003776
8	CONSTRUCTION	.019958	.013972	.020967	.017194	.020935	.019126	.024012
9	ORDNANCE AND ACCESSORIES	.003240	.000572	.000888	.000768	.000931	.000921	.000893
10	FOOD PRODUCTS AND TOBACCO	.040967	.019978	.033211	.029226	.035155	.036520	.035145
11	TEXTILE AND APPAREL	.033685	.019383	.030550	.026631	.032137	.032272	.031138
12	LUMBER AND WOOD PRODUCTS	.012703	.004689	.007485	.006485	.007834	.007864	.007881
13	PAPER AND PRODUCTS	.014328	.007529	.011772	.010189	.012363	.012246	.011988
14	PRINTING AND PUBLISHING	.022643	.011721	.018613	.016086	.019518	.019520	.019334
15	CHEMICALS AND PRODUCTS	.009063	.004622	.007207	.006192	.007492	.007380	.007521
16	OTHER CHEMICAL PRODUCTS	.008112	.004740	.007320	.006323	.007659	.007502	.007408
17	PETROLEUM REFINING	.005734	.004970	.007125	.006041	.007375	.006683	.006716
18	RUBBER AND PLASTICS	.014540	.007553	.011639	.010078	.012141	.012024	.011655
19	LEATHER AND PRODUCTS	.005235	.002542	.004228	.003728	.004480	.004664	.004467
20	GLASS AND PRODUCTS	.004012	.002401	.003516	.002940	.003594	.003411	.003367
21	STONE AND CLAY PRODUCTS	.005972	.002132	.003155	.002676	.003248	.003043	.003326
22	PRIMARY IRON AND STEEL	.053863	.012064	.016429	.013622	.016857	.014704	.014904
23	PRIMARY NONFERROUS METALS	.017316	.004877	.006540	.005435	.006697	.005817	.005882
24	HTNG,PLMG,AND STRL. METAL	.018623	.001957	.002756	.002270	.002788	.002467	.002803
25	OTHER FABRICATED METALS	.025544	.012908	.017896	.014811	.018498	.016496	.016513
26	ENGINES AND TURBINES	.015857	.001308	.001711	.001442	.001755	.001511	.001490
27	MACHINERY AND EQUIPMENT	.048419	.009025	.012344	.010443	.012748	.011202	.011368
28	OFFICE MACHINES	.002508	.000980	.001547	.001337	.001616	.001608	.001611
29	OTHER ELECTRICAL EQPT.	.028278	.010589	.016762	.014663	.017522	.017824	.017094
30	SHIPBUILDING AND REPAIR	.439628	.015922	.018968	.015205	.019186	.014568	.014642
31	OTHER TRANSPORT EQPT.	.028339	.012216	.019598	.017072	.020619	.020800	.020111
32	INSTRUMENTS	.006388	.003671	.005284	.004366	.005494	.005042	.005022
33	MISCELLANEOUS MFG.	.006980	.003702	.005908	.005132	.006236	.006278	.006073
34	DEEPSEA FOREIGN	.000640	.113279	.000518	.000364	.000442	.000427	.000494
35	DEEPSEA DOMESTIC	.000586	.000474	.206531	.000611	.000689	.000686	.000637
36	GREAT LAKES TRANS.	.000207	.000078	.000094	.228500	.000097	.000091	.000094
37	RIVER AND CANAL TRANS.	.000557	.000307	.000442	.000335	.402023	.000391	.000484
38	LOCAL WATER TRANS.	.000351	.014640	.048427	.000275	.052761	.579143	.000325
39	SERVICE TO WATER TRANS.	.000489	.031221	.082086	.012171	.014313	.002440	.395939
40	OTHER TRANS. AND STORAGE	.053358	.041956	.063662	.056859	.064703	.048277	.049114
41	COMMUNICATIONS	.021745	.011867	.018374	.015907	.019188	.018666	.018514
42	UTILITIES	.015221	.007403	.011805	.010054	.012169	.012083	.013294
43	WHOLESALE/RETAIL	.263770	.126896	.205513	.179411	.216478	.220113	.213945
44	FINANCE INS. AND R.E.	.064251	.035915	.056895	.049519	.059750	.059708	.058814
45	SERVICES	.151350	.081174	.128317	.111266	.134546	.134301	.132143
46	GOVERNMENT ENTERPRISE	.022430	.018189	.033175	.019427	.023833	.020509	.081739
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	.007802	.003776	.006333	.005599	.006723	.007042	.006717
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	1.516662	.693706	1.172060	.954789	1.329692	1.412254	1.282059
54	EC OUTPUT RATIO	.436068	.112999	.201637	.228249	.332441	.578825	.391635
55	MULTIPLIER (INDUCED)	3.478040	6.139061	5.812725	4.183111	3.999790	2.439863	3.273607

TABLE D8. DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /IBT/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.002257	.001111	.001842	.001619	.001948	.002018	.001949
2	OTHER AGRICULTURAL PROD.	.002465	.001237	.002046	.001782	.002145	.002209	.002236
3	FOREST AND FISH PRODUCTS	.000198	.000095	.000156	.000136	.000164	.000168	.000166
4	IRON ORES MINING	.000266	.000061	.000083	.000060	.000085	.000075	.000076
5	NONFERROUS ORES MINING	.000237	.000068	.000092	.000076	.000094	.000083	.000084
6	CRUDE OIL AND NATURAL GAS	.001893	.001481	.002157	.001831	.002231	.002051	.002091
7	OTHER MINING	.000319	.000141	.000213	.000177	.000215	.000204	.000240
8	CONSTRUCTION	.000314	.000220	.000330	.000271	.000329	.000301	.000378
9	ORDNANCE AND ACCESSORIES	.000058	.000010	.000016	.000014	.000017	.000016	.000016
10	FOOD PRODUCTS AND TOBACCO	.019487	.009503	.015797	.013902	.016722	.017372	.016718
11	TEXTILE AND APPAREL	.000632	.000364	.000573	.000500	.000603	.000606	.000584
12	LUMBER AND WOOD PRODUCTS	.000377	.000139	.000222	.000192	.000232	.000233	.000234
13	PAPER AND PRODUCTS	.000567	.000298	.000466	.000403	.000489	.000485	.000474
14	PRINTING AND PUBLISHING	.000446	.000231	.000367	.000317	.000385	.000385	.000381
15	CHEMICALS AND PRODUCTS	.000449	.000229	.000357	.000307	.000371	.000366	.000373
16	OTHER CHEMICAL PRODUCTS	.000290	.000170	.000262	.000226	.000274	.000268	.000265
17	PETROLEUM REFINING	.007703	.006676	.009571	.008116	.009907	.008977	.009021
18	RUBBER AND PLASTICS	.001555	.000808	.001245	.001078	.001299	.001286	.001247
19	LEATHER AND PRODUCTS	.000076	.000037	.000062	.000054	.000065	.000068	.000065
20	GLASS AND PRODUCTS	.000094	.000056	.000082	.000069	.000084	.000080	.000079
21	STONE AND CLAY PRODUCTS	.000221	.000079	.000117	.000099	.000120	.000113	.000123
22	PRIMARY IRON AND STEEL	.002102	.000471	.000641	.000532	.000658	.000574	.000582
23	PRIMARY NONFERROUS METALS	.000777	.000219	.000294	.000244	.000301	.000261	.000264
24	HTNG,PLMG,AND STRL, METAL	.000466	.000049	.000069	.000057	.000070	.000062	.000070
25	OTHER FABRICATED METALS	.000654	.000331	.000458	.000379	.000474	.000423	.000423
26	ENGINES AND TURBINES	.000427	.000035	.000046	.000039	.000047	.000041	.000040
27	MACHINERY AND EQUIPMENT	.001115	.000208	.000284	.000241	.000294	.000258	.000262
28	OFFICE MACHINES	.000049	.000019	.000030	.000026	.000031	.000031	.000031
29	OTHER ELECTRICAL EQPT.	.000521	.000195	.000309	.000270	.000323	.000328	.000315
30	SHIPBUILDING AND REPAIR	.009343	.000338	.000403	.000323	.000408	.000319	.000311
31	OTHER TRANSPORT EQPT.	.003474	.001498	.002403	.002093	.002528	.002550	.002466
32	INSTRUMENTS	.000131	.000075	.000108	.000089	.000112	.000103	.000103
33	MISCELLANEOUS MFG.	.000162	.000086	.000137	.000119	.000144	.000145	.000141
34	DEEPSEA FOREIGN	.000074	.013040	.000060	.000048	.000051	.000049	.000057
35	DEEPSEA DOMESTIC	.000067	.000055	.023767	.000070	.000079	.000079	.000073
36	GREAT LAKES TRANS.	.000032	.000012	.000015	.035444	.000015	.000014	.000015
37	RIVER AND CANAL TRANS.	.000043	.000023	.000034	.000028	.030769	.000030	.000037
38	LOCAL WATER TRANS.	.000027	.001124	.003718	.000921	.004050	.044460	.000025
39	SERVICE TO WATER TRANS.	.000045	.002852	.007499	.001112	.001308	.000223	.036169
40	OTHER TRANS. AND STORAGE	.004554	.003581	.005433	.004853	.005522	.004120	.004192
41	COMMUNICATIONS	.007184	.003921	.006071	.005255	.006340	.006167	.006117
42	UTILITIES	.006551	.003186	.005081	.004327	.005237	.005200	.005722
43	WHOLESALE/RETAIL	.067223	.032340	.052376	.045724	.055171	.056097	.054525
44	FINANCE INS. AND R.E.	.060685	.033921	.053737	.046771	.056434	.056394	.055549
45	SERVICES	.005335	.002861	.004523	.003922	.004743	.004734	.004658
46	GOVERNMENT ENTERPRISE	.000191	.000155	.000283	.000166	.000203	.000175	.000697
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	.211135	.123607	.203831	.183381	.213089	.220190	.209641
54	IBT OUTPUT RATIO	.009267	.013008	.023204	.035405	.025444	.044436	.035776
55	MULTIPLIER (INDUCED)	22.782938	9.502273	8.784481	5.179530	8.374974	4.955232	5.859811

TABLE D9, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /PTI/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.017948	.008837	.014644	.012874	.015487	.016049	.015499
2	OTHER AGRICULTURAL PROD.	.028539	.014317	.023691	.020631	.024829	.025574	.025886
3	FOREST AND FISH PRODUCTS	.003910	.001872	.003066	.002679	.003226	.003308	.003266
4	IRON ORES MINING	.001113	.000254	.000348	.000289	.000357	.000313	.000317
5	NONFERROUS ORES MINING	.000563	.000161	.000218	.000182	.000224	.000196	.000199
6	CRUDE OIL AND NATURAL GAS	.018008	.014093	.020522	.017419	.021232	.019516	.019892
7	OTHER MINING	.003421	.001509	.002285	.001898	.002302	.002190	.002575
8	CONSTRUCTION	.004406	.003085	.004629	.003796	.004622	.004223	.005301
9	ORDNANCE AND ACCESSORIES	.000545	.000096	.000149	.000129	.000157	.000155	.000150
10	FOOD PRODUCTS AND TOBACCO	.022322	.010885	.018096	.015924	.019155	.019899	.019150
11	TEXTILE AND APPAREL	.010005	.005757	.009074	.007910	.009545	.009585	.009249
12	LUMBER AND WOOD PRODUCTS	.005607	.002070	.003304	.002862	.003458	.003471	.003478
13	PAPER AND PRODUCTS	.006984	.003670	.005739	.004967	.006026	.005969	.005844
14	PRINTING AND PUBLISHING	.007175	.003714	.005898	.005097	.006185	.006185	.006126
15	CHEMICALS AND PRODUCTS	.008656	.004415	.006883	.005914	.007156	.007049	.007184
16	OTHER CHEMICAL PRODUCTS	.006693	.003911	.006039	.005216	.006319	.006189	.006112
17	PETROLEUM REFINING	.003996	.003463	.004965	.004210	.005139	.004657	.004680
18	RUBBER AND PLASTICS	.006004	.003119	.004806	.004161	.005013	.004964	.004812
19	LEATHER AND PRODUCTS	.001271	.000617	.001027	.000905	.001088	.001133	.001085
20	GLASS AND PRODUCTS	.001879	.001124	.001646	.001377	.001683	.001597	.001576
21	STONE AND CLAY PRODUCTS	.002683	.000958	.001417	.001202	.001459	.001367	.001494
22	PRIMARY IRON AND STEEL	.016758	.003753	.005111	.004238	.005245	.004575	.004637
23	PRIMARY NONFERROUS METALS	.010561	.002975	.003989	.003315	.004085	.003548	.003587
24	HTNG.PLMG.AND STRL. METAL	.005848	.000614	.000866	.000713	.000876	.000775	.000880
25	OTHER FABRICATED METALS	.011306	.005714	.007921	.006555	.008187	.007302	.007309
26	ENGINES AND TURBINES	.005323	.000439	.000575	.000484	.000589	.000507	.000500
27	MACHINERY AND EQUIPMENT	.015286	.002849	.003897	.003297	.004025	.003537	.003589
28	OFFICE MACHINES	.000964	.000377	.000594	.000514	.000621	.000618	.000619
29	OTHER ELECTRICAL EQPT.	.007966	.002983	.004722	.004131	.004936	.005021	.004816
30	SHIPBUILDING AND REPAIR	.061103	.002213	.002636	.002113	.002667	.002025	.002035
31	OTHER TRANSPORT EQPT.	.005861	.002527	.004053	.003531	.004264	.004302	.004159
32	INSTRUMENTS	.003519	.002022	.002911	.002405	.003027	.002778	.002767
33	MISCELLANEOUS MFG.	.002536	.001345	.002147	.001865	.002266	.002281	.002207
34	DEEPSEA FOREIGN	.000440	.077960	.000356	.000250	.000304	.000294	.000340
35	DEEPSEA DOMESTIC	.000403	.000327	.142232	.000421	.000474	.000472	.000438
36	GREAT LAKES TRANS.	.000265	.000100	.000120	.293355	.000124	.000116	.000121
37	RIVER AND CANAL TRANS.	.000068	.000038	.000054	.000041	.049393	.000048	.000059
38	LOCAL WATER TRANS.	.000043	.001788	.005916	.000034	.006445	.070750	.000040
39	SERVICE TO WATER TRANS.	.000166	.010623	.027929	.004141	.004870	.000830	.134717
40	OTHER TRANS. AND STORAGE	.020793	.016350	.024809	.022158	.025214	.018813	.019140
41	COMMUNICATIONS	.021734	.011861	.018365	.015899	.019178	.018657	.018505
42	UTILITIES	.033191	.016144	.025743	.021924	.026536	.026349	.028990
43	WHOLESALE/RETAIL	.075076	.036118	.058495	.051065	.061616	.062650	.060895
44	FINANCE INS. AND R.E.	.209006	.116829	.185077	.161085	.194364	.194227	.191318
45	SERVICES	.094603	.050739	.080206	.069548	.084099	.083946	.082598
46	GOVERNMENT ENTERPRISE	.005535	.004488	.008187	.004794	.005881	.005061	.020171
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	.000404	.000195	.000328	.000290	.000348	.000365	.000348
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	.770490	.459297	.755683	.797808	.664296	.663435	.738659
54	PTI OUTPUT RATIO	.060608	.077767	.138861	.293032	.040844	.070711	.133253
55	MULTIPLIER (INDUCED)	12.712581	5.906068	5.441995	2.722595	16.264362	9.382349	5.543296

TABLE D10. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF MARITIME INDUSTRIES /VA/

	30	34	35	36	37	38	39
1 LIVESTOCK AND PRODUCTS	*******	*******	*******	*******	*******	*******	*******
2 OTHER AGRICULTURAL PROD.	*******	*******	*******	*******	*******	*******	*******
3 FOREST AND FISH PRODUCTS	*******	*******	*******	*******	*******	*******	*******
4 IRON ORES MINING	*******	*******	*******	*******	*******	*******	*******
5 NONFERROUS ORES MINING	*******	*******	*******	*******	*******	*******	*******
6 CRUDE OIL AND NATURAL GAS	*******	*******	*******	*******	*******	*******	*******
7 OTHER MINING	.000090	.000216	.000207	.000217	.000192	.000222	.000232
8 CONSTRUCTION	.001725	.003721	.003731	.003823	.003767	.003751	.003712
9 ORDNANCE AND ACCESSORIES	.002142	*******	*******	*******	*******	*******	*******
10 FOOD PRODUCTS AND TOBACCO	*******	.000143	.000154	.000108	.000144	.000111	.000148
11 TEXTILE AND APPAREL	.000464	.002312	.002281	.002357	.002260	.002291	.002277
12 LUMBER AND WOOD PRODUCTS	.003876	*******	*******	*******	*******	*******	*******
13 PAPER AND PRODUCTS	.000202	.000533	.000532	.000557	.000557	.000571	.000490
14 PRINTING AND PUBLISHING	.000039	.000125	.000089	*******	.000083	*******	.000086
15 CHEMICALS AND PRODUCTS	.000058	*******	*******	*******	*******	*******	*******
16 OTHER CHEMICAL PRODUCTS	.000714	.001507	.001508	.001544	.001497	.001440	.001503
17 PETROLEUM REFINING	.000639	.005484	.005467	.005579	.005472	.005428	.005474
18 RUBBER AND PLASTICS	.000673	.000706	.000626	.000617	.000549	.000633	.000354
19 LEATHER AND PRODUCTS	.000016	*******	*******	*******	*******	*******	*******
20 GLASS AND PRODUCTS	.001128	.001078	.001098	.001045	.001022	.001072	.001087
21 STONE AND CLAY PRODUCTS	.002673	.000143	.000123	.000172	.000153	.000176	.000131
22 PRIMARY IRON AND STEEL	.029211	.002889	.002915	.002942	.002876	.002867	.002880
23 PRIMARY NONFERROUS METALS	.009989	.001905	.001896	.001959	.001879	.001904	.001893
24 HTNG,PLMG,AND STRL. METAL	.020838	*******	*******	*******	*******	*******	*******
25 OTHER FABRICATED METALS	.011908	.007391	.007356	.007210	.007355	.007228	.007343
26 ENGINES AND TURBINES	.018149	.000359	.000354	.000404	.000359	.000415	.000350
27 MACHINERY AND EQUIPMENT	.038143	.002716	.002651	.002860	.002692	.002589	.002702
28 OFFICE MACHINES	.000362	*******	*******	*******	*******	*******	*******
29 OTHER ELECTRICAL EQPT.	.005526	.000469	.000515	.000663	.000442	.000851	.000457
30 SHIPBUILDING AND REPAIR	.003502	.016446	.016426	.016770	.016345	.016422	.016410
31 OTHER TRANSPORT EQPT.	.003625	.000843	.000837	.000779	.000808	.000799	.000854
32 INSTRUMENTS	.002194	.001789	.001784	.001640	.001782	.001682	.001756
33 MISCELLANEOUS MFG.	.000032	.000328	.000326	.000304	.000337	.000311	.000302
34 DEEPSEA FOREIGN	*******	*******	.000147	*******	*******	*******	*******
35 DEEPSEA DOMESTIC	.000028	.000217	.007654	.000274	.000183	.000281	.000189
36 GREAT LAKES TRANS.	*******	.000035	*******	.000419	*******	*******	*******
37 RIVER AND CANAL TRANS.	.000016	.000050	.000036	*******	.068679	*******	.000069
38 LOCAL WATER TRANS.	*******	.017293	.056484	*******	.052042	*******	*******
39 SERVICE TO WATER TRANS.	*******	.043759	.113101	.016683	.016048	.002816	.005459
40 OTHER TRANS. AND STORAGE	.006662	.023781	.031535	.033482	.028003	.013835	.010171
41 COMMUNICATIONS	.004374	.003972	.004010	.004125	.003928	.003627	.003966
42 UTILITIES	.003415	.001383	.001323	.001430	.001430	.001467	.001340
43 WHOLESALE/RETAIL	.025780	.010399	.010048	.009245	.009634	.008503	.009849
44 FINANCE INS. AND R.E.	.007169	.020373	.020270	.021287	.020537	.020507	.022276
45 SERVICES	.010395	.014097	.014101	.014208	.014010	.014121	.014058
46 GOVERNMENT ENTERPRISE	.000578	.002246	.002250	.002142	.002570	.001977	.077894
47 NONCOMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******
48 COMPETITIVE IMPORTS	*******	*******	*******	*******	*******	*******	*******
49 DUMMY INDUSTRIES	*******	*******	*******	*******	*******	*******	*******
50 MISCELLANEOUS INDUSTRIES	*******	*******	*******	*******	*******	*******	*******
51 INVENTORY VALUE ADJ.	*******	*******	*******	*******	*******	*******	*******
52 COLUMN SUM	.216332	.188708	.311833	.154841	.267635	.117896	.195708
53 VA/OUTPUT RATIO	.505944	.203774	.363702	.556685	.398728	.693972	.560664
54 MULTIPLIER (DIRECT)	.427582	.926065	.857386	.278149	.671223	.169886	.349065

TABLE D11. DIRECT AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /VA/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.000740	.000558	.000701	.000524	.000668	.000468	.000701
2	OTHER AGRICULTURAL PROD.	.001409	.001334	.001820	.001207	.001523	.001035	.002909
3	FOREST AND FISH PRODUCTS	.000670	.000291	.000368	.000274	.000344	.000244	.000414
4	IRON ORES MINING	.002294	.000408	.000491	.000388	.000491	.000364	.000393
5	NONFERROUS ORES MINING	.002083	.000493	.000590	.000470	.000590	.000443	.000476
6	CRUDE OIL AND NATURAL GAS	.003588	.008358	.010163	.008112	.010130	.007256	.008494
7	OTHER MINING	.004017	.001570	.002000	.001456	.001809	.001328	.002510
8	CONSTRUCTION	.005954	.008216	.010728	.007825	.009754	.006749	.013573
9	ORDNANCE AND ACCESSORIES	.002814	.000181	.000218	.000173	.000218	.000163	.000173
10	FOOD PRODUCTS AND TOBACCO	.002344	.001444	.001818	.001337	.001733	.001196	.001776
11	TEXTILE AND APPAREL	.002460	.005245	.006217	.005001	.006217	.004679	.004935
12	LUMBER AND WOOD PRODUCTS	.007105	.001292	.001609	.001228	.001545	.001115	.001622
13	PAPER AND PRODUCTS	.003915	.002804	.003395	.002668	.003401	.002486	.002843
14	PRINTING AND PUBLISHING	.004112	.003011	.003651	.002735	.003556	.002486	.003330
15	CHEMICALS AND PRODUCTS	.004086	.002451	.003017	.002308	.002885	.002085	.002956
16	OTHER CHEMICAL PRODUCTS	.002016	.002491	.003004	.002379	.002982	.002154	.002525
17	PETROLEUM REFINING	.002563	.007912	.009590	.007696	.009608	.006895	.007616
18	RUBBER AND PLASTICS	.004775	.003096	.003627	.002885	.003526	.002637	.002801
19	LEATHER AND PRODUCTS	.000181	.000099	.000120	.000093	.000118	.000086	.000106
20	GLASS AND PRODUCTS	.001975	.001640	.001990	.001508	.001906	.001469	.001570
21	STONE AND CLAY PRODUCTS	.005253	.001415	.001748	.001377	.001705	.001252	.001824
22	PRIMARY IRON AND STEEL	.061404	.010811	.012993	.010269	.013007	.009636	.010379
23	PRIMARY NONFERROUS METALS	.023614	.005632	.006731	.005377	.006739	.005076	.005393
24	MTNG.PLMG.AND STRL. METAL	.022815	.001593	.001969	.001517	.001905	.001388	.001927
25	OTHER FABRICATED METALS	.021853	.011378	.013571	.010514	.013673	.010093	.010772
26	ENGINES AND TURBINES	.020751	.001368	.001637	.001351	.001654	.001287	.001294
27	MACHINERY AND EQUIPMENT	.055660	.007649	.009090	.007407	.009174	.006729	.007334
28	OFFICE MACHINES	.001317	.000309	.000382	.000296	.000370	.000269	.000365
29	OTHER ELECTRICAL EQPT.	.014492	.002989	.003715	.003081	.003592	.003071	.003052
30	SHIPBUILDING AND REPAIR	.509843	.018362	.021820	.017476	.022061	.016693	.016790
31	OTHER TRANSPORT EQPT.	.009463	.002589	.003155	.002452	.003104	.002190	.002452
32	INSTRUMENTS	.003961	.002827	.003370	.002500	.003397	.002438	.002659
33	MISCELLANEOUS MFG.	.000881	.000876	.001050	.000803	.001066	.000764	.000847
34	DEEPSEA FOREIGN	.000453	.203939	.000365	.000152	.000192	.000137	.000287
35	DEEPSEA DOMESTIC	.000180	.000431	.371818	.000472	.000487	.000445	.000393
36	GREAT LAKES TRANS.	.000326	.000104	.000084	.557170	.000082	.000060	.000076
37	RIVER AND CANAL TRANS.	.000232	.000157	.000176	.000089	.481809	.000076	.000206
38	LOCAL WATER TRANS.	.000104	.017399	.057804	.000102	.062983	.694067	.000117
39	SERVICE TO WATER TRANS.	.000174	.044442	.117087	.017047	.020038	.003019	.566373
40	OTHER TRANS. AND STORAGE	.023978	.035403	.049481	.044598	.048287	.021815	.025335
41	COMMUNICATIONS	.009661	.007807	.009528	.007639	.009378	.006482	.007839
42	UTILITIES	.012103	.005993	.007840	.005550	.007015	.004949	.011112
43	WHOLESALE/RETAIL	.051503	.023772	.028582	.021770	.027770	.018836	.024144
44	FINANCE INS. AND R.E.	.027167	.038211	.046699	.037240	.046231	.033440	.041600
45	SERVICES	.031906	.028611	.034974	.027312	.034370	.024973	.030550
46	GOVERNMENT ENTERPRISE	.004991	.011622	.022841	.007763	.009959	.004836	.082665
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	COLUMN SUM	.973185	.538583	.893648	.841594	.893053	.919360	.917508
53	VA/OUTPUT RATIO	.505944	.203774	.363702	.556685	.398728	.693972	.563664
54	MULTIPLIER (INDIRECT)	1.923505	2.643040	2.457090	1.511795	2.239755	1.324779	1.636468

TABLE D12. DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF MARITIME INDUSTRIES /VA/

		30	34	35	36	37	38	39
1	LIVESTOCK AND PRODUCTS	.023763	.011700	.019388	.017045	.020505	.021248	.020520
2	OTHER AGRICULTURAL PROD.	.036711	.018417	.030475	.026539	.031939	.032897	.033298
3	FOREST AND FISH PRODUCTS	.006364	.003046	.004991	.004360	.005250	.005383	.005316
4	IRON ORES MINING	.002745	.000627	.000858	.000712	.000880	.000771	.000782
5	NONFERROUS ORES MINING	.002593	.000740	.001004	.000836	.001029	.000904	.000915
6	CRUDE OIL AND NATURAL GAS	.022171	.017351	.025267	.021447	.026142	.024029	.024491
7	OTHER MINING	.008757	.003863	.005848	.004857	.005893	.005606	.006591
8	CONSTRUCTION	.024678	.017277	.025926	.021261	.025887	.023649	.029691
9	ORDNANCE AND ACCESSORIES	.003843	.000679	.001053	.000911	.001104	.001092	.001059
10	FOOD PRODUCTS AND TOBACCO	.082775	.040366	.067104	.059053	.071032	.073791	.071013
11	TEXTILE AND APPAREL	.044323	.025503	.040197	.035041	.042285	.042463	.040971
12	LUMBER AND WOOD PRODUCTS	.018687	.006897	.011011	.009539	.011524	.011569	.011593
13	PAPER AND PRODUCTS	.021879	.011498	.017977	.015558	.018879	.018700	.018307
14	PRINTING AND PUBLISHING	.030263	.015666	.024878	.021501	.026087	.026089	.025841
15	CHEMICALS AND PRODUCTS	.018168	.009265	.014447	.012413	.015018	.014795	.015078
16	OTHER CHEMICAL PRODUCTS	.015096	.008821	.013621	.011765	.014251	.013960	.013785
17	PETROLEUM REFINING	.017433	.015108	.021661	.018367	.022421	.020317	.020417
18	RUBBER AND PLASTICS	.022099	.011480	.017690	.015317	.018453	.018274	.017714
19	LEATHER AND PRODUCTS	.006583	.003197	.005317	.004687	.005634	.005865	.005617
20	GLASS AND PRODUCTS	.005985	.003581	.005245	.004386	.005361	.005088	.005022
21	STONE AND CLAY PRODUCTS	.008876	.003168	.004689	.003978	.004827	.004522	.004943
22	PRIMARY IRON AND STEEL	.072723	.016288	.022181	.018392	.022760	.019852	.020123
23	PRIMARY NONFERROUS METALS	.028655	.008071	.010823	.008994	.011083	.009626	.009733
24	MTNG,PLMG,AND STRL. METAL	.024937	.002620	.003691	.003040	.003734	.003304	.003754
25	OTHER FABRICATED METALS	.037505	.018953	.026275	.021745	.027159	.024220	.024245
26	ENGINES AND TURBINES	.021607	.001782	.002332	.001966	.002391	.002059	.002031
27	MACHINERY AND EQUIPMENT	.064820	.012082	.016526	.013980	.017066	.014997	.015219
28	OFFICE MACHINES	.003521	.001375	.002171	.001877	.002269	.002257	.002262
29	OTHER ELECTRICAL EQPT.	.036765	.013767	.021793	.019063	.022782	.023173	.022225
30	SHIPBUILDING AND REPAIR	.510075	.018473	.022008	.017642	.022260	.016902	.016989
31	OTHER TRANSPORT EQPT.	.037674	.016240	.026054	.022696	.027411	.027652	.026737
32	INSTRUMENTS	.010038	.005768	.008304	.006861	.008633	.007923	.007891
33	MISCELLANEOUS MFG.	.009679	.005133	.008191	.007116	.008646	.008704	.008420
34	DEEPSEA FOREIGN	.001154	.204279	.000934	.000656	.000796	.000770	.000891
35	DEEPSEA DOMESTIC	.001057	.000855	.372530	.001101	.001243	.001237	.001148
36	GREAT LAKES TRANS.	.000504	.000190	.000229	.557298	.000236	.000221	.000230
37	RIVER AND CANAL TRANS.	.000668	.000368	.000530	.000402	.482185	.000469	.000581
38	LOCAL WATER TRANS.	.000421	.017553	.058061	.000330	.063256	.694353	.000389
39	SERVICE TO WATER TRANS.	.000699	.044696	.117513	.017423	.020491	.003493	.566825
40	OTHER TRANS. AND STORAGE	.078705	.061887	.093904	.083870	.095439	.071210	.072446
41	COMMUNICATIONS	.050663	.027649	.042810	.037062	.044706	.043490	.043136
42	UTILITIES	.054962	.026733	.042628	.036305	.043942	.043632	.048006
43	WHOLESALE/RETAIL	.406069	.195354	.316385	.276201	.333265	.338860	.329365
44	FINANCE INS. AND R.E.	.333942	.186666	.295708	.257376	.310548	.310328	.305681
45	SERVICES	.251287	.134774	.213046	.184736	.223388	.222961	.219399
46	GOVERNMENT ENTERPRISE	.028156	.022832	.041644	.024386	.029918	.025745	.102607
47	NONCOMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------	-------	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------	-------	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	.008206	.003971	.006661	.005889	.007071	.007407	.007064
51	INVENTORY VALUE ADJ.	-------	-------	-------	-------	-------	-------	-------
52	HOUSEHOLD SECTOR	-------	-------	-------	-------	-------	-------	-------
53	COLUMN SUM	2.498286	1.276611	2.131574	1.935978	2.207078	2.295879	2.230359
54	VA/OUTPUT RATIO	.505944	.203774	.363702	.556685	.398728	.693972	.560664
55	MULTIPLIER (INDUCED)	4.937875	6.264839	5.860773	3.477686	5.535299	3.308316	3.978069

E-Series MarAd I-O Tables

TABLE E1, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM/EMPLOYMENT COMPENSATION
TABLE E2, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM/INDIRECT BUSINESS TAX
TABLE E3, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM/PROPERTY TYPE INCOME
TABLE E4, DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/EC
TABLE E5, DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/IBT
TABLE E6, DIRECT AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/PTI
TABLE E7, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/EC
TABLE E8, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/IBT
TABLE E9, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/PTI
TABLE E10, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM/VALUE ADDED
TABLE E11, DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/VALUE ADDED
TABLE E12, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM/VALUE ADDED

TABLE E1. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM /EMPLOYMENT COMPENSATION/

		30	61	62
1	LIVESTOCK AND PRODUCTS	*******	*******	*******
2	OTHER AGRICULTURAL PROD.	*******	*******	*******
3	FOREST AND FISH PRODUCTS	*******	*******	*******
4	IRON ORES MINING	*******	*******	*******
5	NONFERROUS ORES MINING	*******	*******	*******
6	CRUDE OIL AND NATURAL GAS	*******	*******	*******
7	OTHER MINING	.000052	.000156	*******
8	CONSTRUCTION	.001395	.003872	*******
9	ORDNANCE AND ACCESSORIES	.001806	*******	*******
10	FOOD PRODUCTS AND TOBACCO	*******	.000090	*******
11	TEXTILE AND APPAREL	.000352	.002242	*******
12	LUMBER AND WOOD PRODUCTS	.002635	*******	*******
13	PAPER AND PRODUCTS	.000132	.000452	*******
14	PRINTING AND PUBLISHING	.000029	.000097	*******
15	CHEMICALS AND PRODUCTS	.000029	*******	*******
16	OTHER CHEMICAL PRODUCTS	.000384	.001037	*******
17	PETROLEUM REFINING	.000210	.002311	*******
18	RUBBER AND PLASTICS	.000443	.000561	*******
19	LEATHER AND PRODUCTS	.000013	*******	*******
20	GLASS AND PRODUCTS	.000756	.000923	*******
21	STONE AND CLAY PRODUCTS	.001798	.000123	*******
22	PRIMARY IRON AND STEEL	.021635	.002748	*******
23	PRIMARY NONFERROUS METALS	.006036	.001474	*******
24	HTNG,PLMG,AND STRL. METAL	.015562	*******	*******
25	OTHER FABRICATED METALS	.008110	.006429	*******
26	ENGINES AND TURBINES	.013319	.000341	*******
27	MACHINERY AND EQUIPMENT	.028492	.002586	*******
28	OFFICE MACHINES	.000258	*******	*******
29	OTHER ELECTRICAL EQPT.	.004250	.000496	*******
30	SHIPBUILDING AND REPAIR	.003018	.018171	*******
31	OTHER TRANSPORT EQPT.	.002727	.000803	*******
32	INSTRUMENTS	.001397	.001448	*******
33	MISCELLANEOUS MFG.	.000023	.000302	*******
61	U.S. MERCHANT MARINE	.000028	.019168	*******
62	FOREIGN SHIPS	*******	*******	*******
39	SERVICE TO WATER TRANS.	*******	.046246	*******
40	OTHER TRANS. AND STORAGE	.004517	.022454	*******
41	COMMUNICATIONS	.001877	.002182	*******
42	UTILITIES	.000946	.000491	*******
43	WHOLESALE/RETAIL	.016746	.008407	*******
44	FINANCE INS. AND R.E.	.001379	.005037	*******
45	SERVICES	.006261	.010883	*******
46	GOVERNMENT ENTERPRISE	.000460	.002312	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	*******	*******	*******
51	INVENTORY VALUE ADJ.	*******	*******	*******
52	COLUMN SUM	.147074	.163843	*******
53	EC OUTPUT RATIO	.436068	.234867	*******
54	MULTIPLIER (DIRECT)	.337274	.697598	**********

TABLE E2. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM /INDIRECT BUSINESS TAX/

		30	61	62
1	LIVESTOCK AND PRODUCTS	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------
7	OTHER MINING	,000003	,000010	-------
8	CONSTRUCTION	,000022	,000061	-------
9	ORDNANCE AND ACCESSORIES	,000032	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	,000043	-------
11	TEXTILE AND APPAREL	,000007	,000042	-------
12	LUMBER AND WOOD PRODUCTS	,000078	-------	-------
13	PAPER AND PRODUCTS	,000005	,000018	-------
14	PRINTING AND PUBLISHING	,000001	,000002	-------
15	CHEMICALS AND PRODUCTS	,000001	-------	-------
16	OTHER CHEMICAL PRODUCTS	,000014	,000037	-------
17	PETROLEUM REFINING	,000282	,003105	-------
18	RUBBER AND PLASTICS	,000047	,000060	-------
19	LEATHER AND PRODUCTS	,000000	-------	-------
20	GLASS AND PRODUCTS	,000018	,000022	-------
21	STONE AND CLAY PRODUCTS	,000066	,000005	-------
22	PRIMARY IRON AND STEEL	,000844	,000107	-------
23	PRIMARY NONFERROUS METALS	,000271	,000066	-------
24	HTNG,PLMG,AND STRL, METAL	,000390	-------	-------
25	OTHER FABRICATED METALS	,000208	,000165	-------
26	ENGINES AND TURBINES	,000358	,000009	-------
27	MACHINERY AND EQUIPMENT	,000656	,000060	-------
28	OFFICE MACHINES	,000005	-------	-------
29	OTHER ELECTRICAL EQPT.	,000078	,000009	-------
30	SHIPBUILDING AND REPAIR	,000064	,000386	-------
31	OTHER TRANSPORT EQPT.	,000334	,000098	-------
32	INSTRUMENTS	,000029	,000030	-------
33	MISCELLANEOUS MFG.	,000001	,000007	-------
61	U.S. MERCHANT MARINE	,000003	,001995	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	,004225	-------
40	OTHER TRANS. AND STORAGE	,000385	,001916	-------
41	COMMUNICATIONS	,000620	,000721	-------
42	UTILITIES	,000407	,000211	-------
43	WHOLESALE/RETAIL	,004268	,002143	-------
44	FINANCE INS. AND R.E.	,001303	,004757	-------
45	SERVICES	,000221	,000384	-------
46	GOVERNMENT ENTERPRISE	,000004	,000020	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	,011026	,020712	-------
53	IBT OUTPUT RATIO	,009267	,024439	-------
54	MULTIPLIER (DIRECT)	1,189733	,847478	**********

TABLE E3, DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM /PROPERTY TYPE INCOME/

		30	61	62
1	LIVESTOCK AND PRODUCTS	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------
7	OTHER MINING	.000035	.000106	-------
8	CONSTRUCTION	.000308	.000855	-------
9	ORDNANCE AND ACCESSORIES	.000304	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	.000049	-------
11	TEXTILE AND APPAREL	.000105	.000666	-------
12	LUMBER AND WOOD PRODUCTS	.001163	-------	-------
13	PAPER AND PRODUCTS	.000065	.000220	-------
14	PRINTING AND PUBLISHING	.000009	.000031	-------
15	CHEMICALS AND PRODUCTS	.000027	-------	-------
16	OTHER CHEMICAL PRODUCTS	.000317	.000855	-------
17	PETROLEUM REFINING	.000146	.001611	-------
18	RUBBER AND PLASTICS	.000183	.000231	-------
19	LEATHER AND PRODUCTS	.000003	-------	-------
20	GLASS AND PRODUCTS	.000354	.000432	-------
21	STONE AND CLAY PRODUCTS	.000808	.000055	-------
22	PRIMARY IRON AND STEEL	.006731	.000855	-------
23	PRIMARY NONFERROUS METALS	.003682	.000899	-------
24	HTNG,PLMG,AND STRL. METAL	.004887	-------	-------
25	OTHER FABRICATED METALS	.003590	.002846	-------
26	ENGINES AND TURBINES	.004471	.000115	-------
27	MACHINERY AND EQUIPMENT	.008995	.000817	-------
28	OFFICE MACHINES	.000099	-------	-------
29	OTHER ELECTRICAL EQPT.	.001197	.000140	-------
30	SHIPBUILDING AND REPAIR	.000419	.002526	-------
31	OTHER TRANSPORT EQPT.	.000564	.000166	-------
32	INSTRUMENTS	.000769	.000798	-------
33	MISCELLANEOUS MFG.	.000008	.000110	-------
61	U.S. MERCHANT MARINE	.000015	.010089	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	.015735	-------
40	OTHER TRANS. AND STORAGE	.001760	.008750	-------
41	COMMUNICATIONS	.001876	.002181	-------
42	UTILITIES	.002062	.001070	-------
43	WHOLESALE/RETAIL	.004766	.002393	-------
44	FINANCE INS. AND R.E.	.004487	.016385	-------
45	SERVICES	.003913	.006802	-------
46	GOVERNMENT ENTERPRISE	.000114	.000571	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	.058233	.078358	-------
53	PTI OUTPUT RATIO	.060608	.123614	-------
54	MULTIPLIER (DIRECT)	.960810	.633889	**********

TABLE E4. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /EC/

		30	61	62
1	LIVESTOCK AND PRODUCTS	.000111	.000117	-------
2	OTHER AGRICULTURAL PROD.	.000219	.000294	-------
3	FOREST AND FISH PRODUCTS	.000237	.000144	-------
4	IRON ORES MINING	.001142	.000281	-------
5	NONFERROUS ORES MINING	.001440	.000471	-------
6	CRUDE OIL AND NATURAL GAS	.000366	.001191	-------
7	OTHER MINING	.002300	.001255	-------
8	CONSTRUCTION	.004805	.009371	-------
9	ORDNANCE AND ACCESSORIES	.002373	.000211	-------
10	FOOD PRODUCTS AND TOBACCO	.001159	.000999	-------
11	TEXTILE AND APPAREL	.001863	.005491	-------
12	LUMBER AND WOOD PRODUCTS	.004828	.001225	-------
13	PAPER AND PRODUCTS	.002561	.002548	-------
14	PRINTING AND PUBLISHING	.003073	.003110	-------
15	CHEMICALS AND PRODUCTS	.002036	.001697	-------
16	OTHER CHEMICAL PRODUCTS	.001081	.001853	-------
17	PETROLEUM REFINING	.000839	.003617	-------
18	RUBBER AND PLASTICS	.003138	.002782	-------
19	LEATHER AND PRODUCTS	.000144	.000109	-------
20	GLASS AND PRODUCTS	.001322	.001517	-------
21	STONE AND CLAY PRODUCTS	.003533	.001328	-------
22	PRIMARY IRON AND STEEL	.045466	.011082	-------
23	PRIMARY NONFERROUS METALS	.014264	.004702	-------
24	HTNG,PLMG,AND STRL. METAL	.017036	.001657	-------
25	OTHER FABRICATED METALS	.014871	.010690	-------
26	ENGINES AND TURBINES	.015227	.001392	-------
27	MACHINERY AND EQUIPMENT	.041568	.007890	-------
28	OFFICE MACHINES	.000938	.000307	-------
29	OTHER ELECTRICAL EQPT.	.011143	.003224	-------
30	SHIPBUILDING AND REPAIR	.439403	.021845	-------
31	OTHER TRANSPORT EQPT.	.007115	.002702	-------
32	INSTRUMENTS	.002518	.002476	-------
33	MISCELLANEOUS MFG.	.000634	.000874	-------
61	U.S. MERCHANT MARINE	.000429	.256107	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	.000085	.050924	-------
40	OTHER TRANS. AND STORAGE	.016213	.035452	-------
41	COMMUNICATIONS	.004141	.004658	-------
42	UTILITIES	.003349	.002335	-------
43	WHOLESALE/RETAIL	.033430	.021251	-------
44	FINANCE INS. AND R.E.	.005215	.010234	-------
45	SERVICES	.019189	.023946	-------
46	GOVERNMENT ENTERPRISE	.003963	.014151	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	.734768	.527511	-------
53	EC OUTPUT RATIO	.436068	.234867	-------
54	MULTIPLIER (INDIRECT)	1.684985	2.245998	**********

TABLE E5. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /IBT/

		3W	61	62
1	LIVESTOCK AND PRODUCTS	.000070	.000074	*******
2	OTHER AGRICULTURAL PROD.	.002094	.000127	*******
3	FOREST AND FISH PRODUCTS	.000021	.000013	*******
4	IRON ORES MINING	.000222	.000055	*******
5	NONFERROUS ORES MINING	.000190	.000062	*******
6	CRUDE OIL AND NATURAL GAS	.000305	.000992	*******
7	OTHER MINING	.000146	.000080	*******
8	CONSTRUCTION	.000076	.000147	*******
9	ORDNANCE AND ACCESSORIES	.000042	.000034	*******
10	FOOD PRODUCTS AND TOBACCO	.000551	.000475	*******
11	TEXTILE AND APPAREL	.000035	.000103	*******
12	LUMBER AND WOOD PRODUCTS	.000143	.000036	*******
13	PAPER AND PRODUCTS	.000101	.000101	*******
14	PRINTING AND PUBLISHING	.000061	.000061	*******
15	CHEMICALS AND PRODUCTS	.000101	.000084	*******
16	OTHER CHEMICAL PRODUCTS	.000039	.000066	*******
17	PETROLEUM REFINING	.001127	.004858	*******
18	RUBBER AND PLASTICS	.000336	.000298	*******
19	LEATHER AND PRODUCTS	.000002	.000002	*******
20	GLASS AND PRODUCTS	.000031	.000035	*******
21	STONE AND CLAY PRODUCTS	.000131	.000049	*******
22	PRIMARY IRON AND STEEL	.001774	.000432	*******
23	PRIMARY NONFERROUS METALS	.000640	.000211	*******
24	HTNG,PLMG,AND STRL. METAL	.000426	.000041	*******
25	OTHER FABRICATED METALS	.000381	.000274	*******
26	ENGINES AND TURBINES	.000410	.000037	*******
27	MACHINERY AND EQUIPMENT	.000957	.000182	*******
28	OFFICE MACHINES	.000018	.000006	*******
29	OTHER ELECTRICAL EQPT.	.000205	.000059	*******
30	SHIPBUILDING AND REPAIR	.009338	.000464	*******
31	OTHER TRANSPORT EQPT.	.000872	.000331	*******
32	INSTRUMENTS	.000051	.000051	*******
33	MISCELLANEOUS MFG.	.000015	.000020	*******
61	U.S. MERCHANT MARINE	.000045	.026649	*******
62	FOREIGN SHIPS	*******	*******	*******
39	SERVICE TO WATER TRANS.	.000008	.004652	*******
40	OTHER TRANS. AND STORAGE	.001384	.003026	*******
41	COMMUNICATIONS	.001368	.001539	*******
42	UTILITIES	.001441	.001005	*******
43	WHOLESALE/RETAIL	.008520	.005416	*******
44	FINANCE INS. AND R.E.	.004926	.009666	*******
45	SERVICES	.000676	.000844	*******
46	GOVERNMENT ENTERPRISE	.000034	.000121	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	*******	*******	*******
51	INVENTORY VALUE ADJ.	*******	*******	*******
52	COLUMN SUM	.037314	.062750	*******
53	IBT OUTPUT RATIO	.009267	.024439	*******
54	MULTIPLIER (INDIRECT)	4.026427	2.567594	**********

TABLE E6. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /PTI/

		30	61	62
1	LIVESTOCK AND PRODUCTS	.000558	.000589	*******
2	OTHER AGRICULTURAL PROD.	.001094	.001470	*******
3	FOREST AND FISH PRODUCTS	.000411	.000250	*******
4	IRON ORES MINING	.000929	.000229	*******
5	NONFERROUS ORES MINING	.000452	.000148	*******
6	CRUDE OIL AND NATURAL GAS	.002903	.009442	*******
7	OTHER MINING	.001569	.000856	*******
8	CONSTRUCTION	.001061	.002069	*******
9	ORDNANCE AND ACCESSORIES	.000399	.000036	*******
10	FOOD PRODUCTS AND TOBACCO	.000632	.000544	*******
11	TEXTILE AND APPAREL	.000553	.001631	*******
12	LUMBER AND WOOD PRODUCTS	.002131	.000541	*******
13	PAPER AND PRODUCTS	.001248	.001242	*******
14	PRINTING AND PUBLISHING	.000974	.000986	*******
15	CHEMICALS AND PRODUCTS	.001945	.001621	*******
16	OTHER CHEMICAL PRODUCTS	.000892	.001529	*******
17	PETROLEUM REFINING	.000584	.002520	*******
18	RUBBER AND PLASTICS	.001296	.001149	*******
19	LEATHER AND PRODUCTS	.000035	.000026	*******
20	GLASS AND PRODUCTS	.000619	.000711	*******
21	STONE AND CLAY PRODUCTS	.001587	.000597	*******
22	PRIMARY IRON AND STEEL	.014146	.003448	*******
23	PRIMARY NONFERROUS METALS	.008700	.002868	*******
24	HTNG.PLMG.AND STRL. METAL	.005350	.000520	*******
25	OTHER FABRICATED METALS	.006582	.004732	*******
26	ENGINES AND TURBINES	.005112	.000467	*******
27	MACHINERY AND EQUIPMENT	.013123	.002491	*******
28	OFFICE MACHINES	.000361	.000118	*******
29	OTHER ELECTRICAL EQPT.	.003139	.000908	*******
30	SHIPBUILDING AND REPAIR	.061072	.003036	*******
31	OTHER TRANSPORT EQPT.	.001472	.000559	*******
32	INSTRUMENTS	.001387	.001364	*******
33	MISCELLANEOUS MFG.	.000231	.000317	*******
61	U.S. MERCHANT MARINE	.000226	.134793	*******
62	FOREIGN SHIPS	*******	*******	*******
39	SERVICE TO WATER TRANS.	.000029	.017327	*******
40	OTHER TRANS. AND STORAGE	.006318	.013815	*******
41	COMMUNICATIONS	.004139	.004656	*******
42	UTILITIES	.007303	.005093	*******
43	WHOLESALE/RETAIL	.009515	.006049	*******
44	FINANCE INS. AND R.E.	.016964	.033290	*******
45	SERVICES	.011994	.014968	*******
46	GOVERNMENT ENTERPRISE	.000978	.003492	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	*******	*******	*******
51	INVENTORY VALUE ADJ.	*******	*******	*******
52	COLUMN SUM	.200013	.282495	*******
53	PTI OUTPUT RATIO	.060608	.123614	*******
54	MULTIPLIER (INDIRECT)	3.300082	2.285294	**********

TABLE E7, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /EC/

		30	61	62
1	LIVESTOCK AND PRODUCTS	.003552	.002846	-------
2	OTHER AGRICULTURAL PROD.	.005698	.004639	-------
3	FOREST AND FISH PRODUCTS	.002252	.001742	-------
4	IRON ORES MINING	.001366	.000459	-------
5	NONFERROUS ORES MINING	.001792	.000750	-------
6	CRUDE OIL AND NATURAL GAS	.002266	.002698	-------
7	OTHER MINING	.005011	.003405	-------
8	CONSTRUCTION	.019919	.021357	-------
9	ORDNANCE AND ACCESSORIES	.003238	.000898	-------
10	FOOD PRODUCTS AND TOBACCO	.040904	.032517	-------
11	TEXTILE AND APPAREL	.033628	.030681	-------
12	LUMBER AND WOOD PRODUCTS	.012689	.007459	-------
13	PAPER AND PRODUCTS	.014305	.011863	-------
14	PRINTING AND PUBLISHING	.022607	.018601	-------
15	CHEMICALS AND PRODUCTS	.009049	.007258	-------
16	OTHER CHEMICAL PRODUCTS	.008099	.007419	-------
17	PETROLEUM REFINING	.005721	.007488	-------
18	RUBBER AND PLASTICS	.014518	.011807	-------
19	LEATHER AND PRODUCTS	.005227	.004140	-------
20	GLASS AND PRODUCTS	.004006	.003646	-------
21	STONE AND CLAY PRODUCTS	.005966	.003258	-------
22	PRIMARY IRON AND STEEL	.053832	.017717	-------
23	PRIMARY NONFERROUS METALS	.017304	.007113	-------
24	MTNG.PLMG.AND STRL. METAL	.018618	.002911	-------
25	OTHER FABRICATED METALS	.025511	.019128	-------
26	ENGINES AND TURBINES	.015853	.001889	-------
27	MACHINERY AND EQUIPMENT	.048396	.013305	-------
28	OFFICE MACHINES	.002505	.001550	-------
29	OTHER ELECTRICAL EQPT.	.028246	.016787	-------
30	SHIPBUILDING AND REPAIR	.439593	.021996	-------
31	OTHER TRANSPORT EQPT.	.028302	.019504	-------
32	INSTRUMENTS	.006378	.005538	-------
33	MISCELLANEOUS MFG.	.006969	.005897	-------
61	U.S. MERCHANT MARINE	.001751	.257154	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	.000399	.051172	-------
40	OTHER TRANS. AND STORAGE	.053239	.064815	-------
41	COMMUNICATIONS	.021711	.018592	-------
42	UTILITIES	.015199	.011732	-------
43	WHOLESALE/RETAIL	.263381	.203610	-------
44	FINANCE INS. AND R.E.	.064143	.056966	-------
45	SERVICES	.151107	.128562	-------
46	GOVERNMENT ENTERPRISE	.022377	.028755	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	.007790	.006178	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	-------	-------	-------
53	COLUMN SUM	1.514420	1.145803	-------
54	EC OUTPUT RATIO	.436068	.234867	-------
55	MULTIPLIER (INDUCED)	3.472901	4.878513	**********

TABLE E8, DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /IBT/

		30	61	62
1	LIVESTOCK AND PRODUCTS	.002254	.001806	*******
2	OTHER AGRICULTURAL PROD.	.002461	.002004	*******
3	FOREST AND FISH PRODUCTS	.000198	.000153	*******
4	IRON ORES MINING	.000266	.000089	*******
5	NONFERROUS ORES MINING	.000237	.000099	*******
6	CRUDE OIL AND NATURAL GAS	.001888	.002248	*******
7	OTHER MINING	.000319	.000216	*******
8	CONSTRUCTION	.000313	.000336	*******
9	ORDNANCE AND ACCESSORIES	.000058	.000016	*******
10	FOOD PRODUCTS AND TOBACCO	.019457	.015468	*******
11	TEXTILE AND APPAREL	.000631	.000576	*******
12	LUMBER AND WOOD PRODUCTS	.000376	.000221	*******
13	PAPER AND PRODUCTS	.000566	.000469	*******
14	PRINTING AND PUBLISHING	.000445	.000366	*******
15	CHEMICALS AND PRODUCTS	.000448	.000359	*******
16	OTHER CHEMICAL PRODUCTS	.000290	.000265	*******
17	PETROLEUM REFINING	.007685	.010059	*******
18	RUBBER AND PLASTICS	.001553	.001263	*******
19	LEATHER AND PRODUCTS	.000076	.000060	*******
20	GLASS AND PRODUCTS	.000094	.000085	*******
21	STONE AND CLAY PRODUCTS	.000221	.000120	*******
22	PRIMARY IRON AND STEEL	.002100	.000691	*******
23	PRIMARY NONFERROUS METALS	.000777	.000319	*******
24	HTNG.PLMG.AND STRL. METAL	.000466	.000073	*******
25	OTHER FABRICATED METALS	.000653	.000490	*******
26	ENGINES AND TURBINES	.000426	.000051	*******
27	MACHINERY AND EQUIPMENT	.001115	.000306	*******
28	OFFICE MACHINES	.000048	.000030	*******
29	OTHER ELECTRICAL EQPT.	.000520	.000309	*******
30	SHIPBUILDING AND REPAIR	.009342	.000467	*******
31	OTHER TRANSPORT EQPT.	.003470	.002391	*******
32	INSTRUMENTS	.000130	.000113	*******
33	MISCELLANEOUS MFG.	.000161	.000137	*******
61	U.S. MERCHANT MARINE	.000182	.026758	*******
62	FOREIGN SHIPS	*******	*******	*******
39	SERVICE TO WATER TRANS.	.000036	.004675	*******
40	OTHER TRANS. AND STORAGE	.004544	.005532	*******
41	COMMUNICATIONS	.007173	.006142	*******
42	UTILITIES	.006541	.005049	*******
43	WHOLESALE/RETAIL	.067124	.051891	*******
44	FINANCE INS. AND R.E.	.060583	.053805	*******
45	SERVICES	.005326	.004532	*******
46	GOVERNMENT ENTERPRISE	.000191	.000245	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	*******	*******	*******
51	INVENTORY VALUE ADJ.	*******	*******	*******
52	COLUMN SUM	*******	*******	*******
53	COLUMN SUM	.210747	.200289	*******
54	IBT OUTPUT RATIO	.009267	.024439	*******
55	MULTIPLIER (INDUCED)	22.741130	8.195373	**********

TABLE E9. DIRECT, INDIRECT, AND INDUCED IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OF THE USMM /PTI/

		30	61	62
1	LIVESTOCK AND PRODUCTS	.017920	.014357	*******
2	OTHER AGRICULTURAL PROD.	.028494	.023199	*******
3	FOREST AND FISH PRODUCTS	.003904	.003020	*******
4	IRON ORES MINING	.001112	.000374	*******
5	NONFERROUS ORES MINING	.000563	.000236	*******
6	CRUDE OIL AND NATURAL GAS	.017969	.021390	*******
7	OTHER MINING	.003417	.002322	*******
8	CONSTRUCTION	.004398	.004715	*******
9	ORDNANCE AND ACCESSORIES	.000545	.000151	*******
10	FOOD PRODUCTS AND TOBACCO	.022287	.017718	*******
11	TEXTILE AND APPAREL	.009988	.009113	*******
12	LUMBER AND WOOD PRODUCTS	.005601	.003292	*******
13	PAPER AND PRODUCTS	.006973	.005783	*******
14	PRINTING AND PUBLISHING	.007164	.005894	*******
15	CHEMICALS AND PRODUCTS	.008643	.006933	*******
16	OTHER CHEMICAL PRODUCTS	.006682	.006121	*******
17	PETROLEUM REFINING	.003986	.005218	*******
18	RUBBER AND PLASTICS	.005994	.004875	*******
19	LEATHER AND PRODUCTS	.001269	.001005	*******
20	GLASS AND PRODUCTS	.001876	.001707	*******
21	STONE AND CLAY PRODUCTS	.002680	.001464	*******
22	PRIMARY IRON AND STEEL	.016749	.005512	*******
23	PRIMARY NONFERROUS METALS	.010554	.004338	*******
24	HTNG.PLMG.AND STRL. METAL	.005846	.000914	*******
25	OTHER FABRICATED METALS	.011291	.008466	*******
26	ENGINES AND TURBINES	.005322	.000634	*******
27	MACHINERY AND EQUIPMENT	.015279	.004201	*******
28	OFFICE MACHINES	.000963	.000596	*******
29	OTHER ELECTRICAL EQPT.	.007957	.004729	*******
30	SHIPBUILDING AND REPAIR	.061098	.003057	*******
31	OTHER TRANSPORT EQPT.	.005853	.004034	*******
32	INSTRUMENTS	.003514	.003051	*******
33	MISCELLANEOUS MFG.	.002532	.002143	*******
61	U.S. MERCHANT MARINE	.000921	.135344	*******
62	FOREIGN SHIPS	*******	*******	*******
39	SERVICE TO WATER TRANS.	.000136	.017411	*******
40	OTHER TRANS. AND STORAGE	.020747	.025258	*******
41	COMMUNICATIONS	.021699	.018582	*******
42	UTILITIES	.033142	.025584	*******
43	WHOLESALE/RETAIL	.074966	.057953	*******
44	FINANCE INS. AND R.E.	.208656	.185309	*******
45	SERVICES	.094451	.080359	*******
46	GOVERNMENT ENTERPRISE	.005522	.007096	*******
47	NONCOMPETITIVE IMPORTS	*******	*******	*******
48	COMPETITIVE IMPORTS	*******	*******	*******
49	DUMMY INDUSTRIES	*******	*******	*******
50	MISCELLANEOUS INDUSTRIES	.000403	.000320	*******
51	INVENTORY VALUE ADJ.	*******	*******	*******
52	COLUMN SUM	*******	*******	*******
53	COLUMN SUM	.769070	.733778	*******
54	PTI OUTPUT RATIO	.060608	.123614	*******
55	MULTIPLIER (INDUCED)	12.689165	5.936022	**********

TABLE E10. DIRECT IMPACT PER DOLLAR OF GROSS OUTPUT OF THE USMM /VALUE ADDED/

		30	61	62
1	LIVESTOCK AND PRODUCTS	-------	-------	-------
2	OTHER AGRICULTURAL PROD.	-------	-------	-------
3	FOREST AND FISH PRODUCTS	-------	-------	-------
4	IRON ORES MINING	-------	-------	-------
5	NONFERROUS ORES MINING	-------	-------	-------
6	CRUDE OIL AND NATURAL GAS	-------	-------	-------
7	OTHER MINING	.000090	.000272	-------
8	CONSTRUCTION	.001725	.004787	-------
9	ORDNANCE AND ACCESSORIES	.002142	-------	-------
10	FOOD PRODUCTS AND TOBACCO	-------	.000183	-------
11	TEXTILE AND APPAREL	.000464	.002950	-------
12	LUMBER AND WOOD PRODUCTS	.003876	-------	-------
13	PAPER AND PRODUCTS	.000202	.000690	-------
14	PRINTING AND PUBLISHING	.000039	.000129	-------
15	CHEMICALS AND PRODUCTS	.000058	-------	-------
16	OTHER CHEMICAL PRODUCTS	.000714	.001929	-------
17	PETROLEUM REFINING	.000639	.007027	-------
18	RUBBER AND PLASTICS	.000673	.000852	-------
19	LEATHER AND PRODUCTS	.000016	-------	-------
20	GLASS AND PRODUCTS	.001128	.001377	-------
21	STONE AND CLAY PRODUCTS	.002673	.000183	-------
22	PRIMARY IRON AND STEEL	.029211	.003710	-------
23	PRIMARY NONFERROUS METALS	.009989	.002440	-------
24	MTNG.PLMG,AND STRL. METAL	.020838	-------	-------
25	OTHER FABRICATED METALS	.011908	.009439	-------
26	ENGINES AND TURBINES	.018149	.000465	-------
27	MACHINERY AND EQUIPMENT	.038143	.003463	-------
28	OFFICE MACHINES	.000362	-------	-------
29	OTHER ELECTRICAL EQPT.	.005526	.000645	-------
30	SHIPBUILDING AND REPAIR	.003502	.021082	-------
31	OTHER TRANSPORT EQPT.	.003625	.001067	-------
32	INSTRUMENTS	.002194	.002276	-------
33	MISCELLANEOUS MFG.	.000032	.000419	-------
61	U.S. MERCHANT MARINE	.000045	.031252	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	-------	.066205	-------
40	OTHER TRANS. AND STORAGE	.006662	.033121	-------
41	COMMUNICATIONS	.004374	.005084	-------
42	UTILITIES	.003415	.001772	-------
43	WHOLESALE/RETAIL	.025780	.012943	-------
44	FINANCE INS. AND R.E.	.007169	.026179	-------
45	SERVICES	.010395	.018069	-------
46	GOVERNMENT ENTERPRISE	.000578	.002903	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	.216333	.262912	-------
53	VA/OUTPUT RATIO	.505944	.382921	-------
54	MULTIPLIER (DIRECT)	.427583	.686597	**********

TABLE E11. DIRECT, AND INDIRECT IMPACT PER DOLLAR OF DELIVERY TO FINAL DEMAND OFTHE USMM /VALUE ADDED/

		30	61	62
1	LIVESTOCK AND PRODUCTS	,000739	,000780	-------
2	OTHER AGRICULTURAL PROD.	,001407	,001890	-------
3	FOREST AND FISH PRODUCTS	,000669	,000407	-------
4	IRON ORES MINING	,002293	,000565	-------
5	NONFERROUS ORES MINING	,002083	,000681	-------
6	CRUDE OIL AND NATURAL GAS	,003575	,011625	-------
7	OTHER MINING	,004015	,002191	-------
8	CONSTRUCTION	,005941	,011587	-------
9	ORDNANCE AND ACCESSORIES	,002814	,000251	-------
10	FOOD PRODUCTS AND TOBACCO	,002342	,002018	-------
11	TEXTILE AND APPAREL	,002452	,007224	-------
12	LUMBER AND WOOD PRODUCTS	,007103	,001803	-------
13	PAPER AND PRODUCTS	,003910	,003892	-------
14	PRINTING AND PUBLISHING	,004108	,004157	-------
15	CHEMICALS AND PRODUCTS	,004082	,003401	-------
16	OTHER CHEMICAL PRODUCTS	,002012	,003449	-------
17	PETROLEUM REFINING	,002550	,010995	-------
18	RUBBER AND PLASTICS	,004770	,004228	-------
19	LEATHER AND PRODUCTS	,000181	,000137	-------
20	GLASS AND PRODUCTS	,001972	,002263	-------
21	STONE AND CLAY PRODUCTS	,005251	,001974	-------
22	PRIMARY IRON AND STEEL	,061386	,014962	-------
23	PRIMARY NONFERROUS METALS	,023605	,007782	-------
24	HTNG,PLMG,AND STRL. METAL	,022812	,002219	-------
25	OTHER FABRICATED METALS	,021835	,015696	-------
26	ENGINES AND TURBINES	,020749	,001897	-------
27	MACHINERY AND EQUIPMENT	,055648	,010563	-------
28	OFFICE MACHINES	,001317	,000431	-------
29	OTHER ELECTRICAL EQPT.	,014487	,004191	-------
30	SHIPBUILDING AND REPAIR	,509813	,025345	-------
31	OTHER TRANSPORT EQPT.	,009459	,003592	-------
32	INSTRUMENTS	,003956	,003891	-------
33	MISCELLANEOUS MFG.	,000880	,001211	-------
61	U.S. MERCHANT MARINE	,000700	,417549	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	,000122	,072902	-------
40	OTHER TRANS. AND STORAGE	,023914	,052293	-------
41	COMMUNICATIONS	,009648	,010853	-------
42	UTILITIES	,012093	,008433	-------
43	WHOLESALE/RETAIL	,051465	,032716	-------
44	FINANCE INS. AND R.E.	,027105	,053190	-------
45	SERVICES	,031860	,039758	-------
46	GOVERNMENT ENTERPRISE	,004974	,017764	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	-------	-------	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
52	COLUMN SUM	,972094	,872757	-------
53	VA/OUTPUT RATIO	,505944	,382921	-------
54	MULTIPLIER (INDIRECT)	1,921349	2,279209	*********

		30	61	62
1	LIVESTOCK AND PRODUCTS	.023726	.019009	-------
2	OTHER AGRICULTURAL PROD.	.036653	.029842	-------
3	FOREST AND FISH PRODUCTS	.006355	.004915	-------
4	IRON ORES MINING	.002744	.000923	-------
5	NONFERROUS ORES MINING	.002592	.001085	-------
6	CRUDE OIL AND NATURAL GAS	.022124	.026336	-------
7	OTHER MINING	.008747	.005943	-------
8	CONSTRUCTION	.024631	.026409	-------
9	ORDNANCE AND ACCESSORIES	.003841	.001065	-------
10	FOOD PRODUCTS AND TOBACCO	.082648	.065703	-------
11	TEXTILE AND APPAREL	.044246	.040369	-------
12	LUMBER AND WOOD PRODUCTS	.018666	.010973	-------
13	PAPER AND PRODUCTS	.021845	.018115	-------
14	PRINTING AND PUBLISHING	.030216	.024862	-------
15	CHEMICALS AND PRODUCTS	.018140	.014550	-------
16	OTHER CHEMICAL PRODUCTS	.015070	.013804	-------
17	PETROLEUM REFINING	.017393	.022766	-------
18	RUBBER AND PLASTICS	.022066	.017945	-------
19	LEATHER AND PRODUCTS	.006573	.005206	-------
20	GLASS AND PRODUCTS	.005975	.005438	-------
21	STONE AND CLAY PRODUCTS	.008867	.004842	-------
22	PRIMARY IRON AND STEEL	.072682	.023920	-------
23	PRIMARY NONFERROUS METALS	.028635	.011771	-------
24	MTNG.PLMG.AND STRL. METAL	.024930	.003898	-------
25	OTHER FABRICATED METALS	.037456	.028084	-------
26	ENGINES AND TURBINES	.021602	.002574	-------
27	MACHINERY AND EQUIPMENT	.064789	.017812	-------
28	OFFICE MACHINES	.003517	.002175	-------
29	OTHER ELECTRICAL EQPT.	.036723	.021825	-------
30	SHIPBUILDING AND REPAIR	.510034	.025520	-------
31	OTHER TRANSPORT EQPT.	.037625	.025926	-------
32	INSTRUMENTS	.010023	.008702	-------
33	MISCELLANEOUS MFG.	.009663	.008177	-------
61	U.S. MERCHANT MARINE	.002854	.419257	-------
62	FOREIGN SHIPS	-------	-------	-------
39	SERVICE TO WATER TRANS.	.000571	.073258	-------
40	OTHER TRANS. AND STORAGE	.078529	.095605	-------
41	COMMUNICATIONS	.050583	.043316	-------
42	UTILITIES	.054882	.042366	-------
43	WHOLESALE/RETAIL	.405470	.313455	-------
44	FINANCE INS. AND R.E.	.333383	.296080	-------
45	SERVICES	.250885	.213453	-------
46	GOVERNMENT ENTERPRISE	.028090	.036096	-------
47	NONCOMPETITIVE IMPORTS	-------	-------	-------
48	COMPETITIVE IMPORTS	-------	-------	-------
49	DUMMY INDUSTRIES	-------	-------	-------
50	MISCELLANEOUS INDUSTRIES	.008194	.006498	-------
51	INVENTORY VALUE ADJ.	-------	-------	-------
53	COLUMN SUM	2.494238	2.079869	-------
54	VA/OUTPUT RATIO	.505944	.382921	-------
55	MULTIPLIER (INDUCED)	4.929874	5.431590	*********

F-Series MarAd I-O Tables

TABLE F1, INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT AND INDIRECT (IN $ MILLION)

TABLE F2, INTERINDUSTRY EMPLOYMENT IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT AND INDIRECT

TABLE F1. INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY,1967/DIRECT AND INDIRECT/(IN $ MILLION)

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	2625.8	516.8	40.3	0.2	0.4	1.3	2.2	308.7	30.6	23292.3
2	OTHER AGRICULTURAL PROD.	792.3	7293.3	74.7	0.2	0.5	1.3	2.6	460.1	31.8	14779.0
3	FOREST AND FISH PRODUCTS	93.4	363.7	445.9	0.1	0.2	0.3	0.8	515.8	12.6	1622.2
4	IRON ORES MINING	1.2	5.5	0.2	87.0	1.1	0.4	2.0	321.6	50.8	68.6
5	NONFERROUS ORES MINING	1.2	6.2	0.2	2.0	199.9	0.2	2.1	323.3	42.6	51.1
6	CRUDE OIL AND NATURAL GAS	31.8	170.5	4.6	0.7	1.6	349.4	13.7	1295.2	65.7	830.7
7	OTHER MINING	12.2	78.7	1.4	0.9	2.0	1.2	941.0	1771.5	59.3	418.0
8	CONSTRUCTION	53.3	187.1	4.2	2.5	3.7	15.6	16.4	86594.2	108.8	1366.9
9	ORDNANCE AND ACCESSORIES	0.4	1.6	0.1	0.0	0.1	0.1	0.2	50.8	9792.1	16.0
10	FOOD PRODUCTS AND TOBACCO	392.7	117.6	15.6	0.4	1.0	2.1	4.9	743.3	91.7	89304.7
11	TEXTILE AND APPAREL	17.2	77.7	20.1	0.5	0.7	1.1	11.1	1179.0	127.3	763.8
12	LUMBER AND WOOD PRODUCTS	13.2	63.4	3.9	0.5	2.3	1.5	7.4	6395.0	153.8	784.5
13	PAPER AND PRODUCTS	35.3	80.1	18.6	0.5	1.2	2.1	11.3	1623.8	201.2	4145.8
14	PRINTING AND PUBLISHING	19.3	64.5	2.2	0.6	1.1	2.3	6.4	973.1	95.4	1323.9
15	CHEMICALS AND PRODUCTS	104.5	788.1	13.4	2.3	8.8	6.5	30.0	1611.0	396.5	2889.5
16	OTHER CHEMICAL PRODUCTS	12.6	32.5	1.2	0.2	0.5	1.0	2.3	1566.9	40.1	588.7
17	PETROLEUM REFINING	64.8	356.7	9.6	0.9	2.4	3.0	23.8	2651.5	113.5	1573.2
18	RUBBER AND PLASTICS	27.4	116.6	4.6	1.3	2.4	2.5	16.6	1850.1	241.4	1738.7
19	LEATHER AND PRODUCTS	1.6	2.5	0.2	0.0	0.0	0.1	0.3	44.9	5.0	38.1
20	GLASS AND PRODUCTS	6.0	5.7	0.4	0.1	0.1	0.2	0.5	396.5	24.9	1034.8
21	STONE AND CLAY PRODUCTS	7.5	32.9	0.8	0.4	1.0	3.7	23.6	6767.2	52.7	238.5
22	PRIMARY IRON AND STEEL	19.9	73.5	4.2	3.6	9.7	7.7	34.0	6206.9	995.2	1236.9
23	PRIMARY NONFERROUS METALS	12.1	50.8	2.2	1.0	2.1	2.8	10.8	4909.6	647.8	609.3
24	HTNG,PLMG,AND STRL. METAL	5.8	21.0	0.5	0.3	0.6	2.8	3.1	7923.8	32.3	169.4
25	OTHER FABRICATED METALS	31.2	74.7	8.8	0.9	2.8	3.7	17.0	3379.2	495.6	2926.9
26	ENGINES AND TURBINES	1.2	5.5	0.7	0.3	1.4	1.5	6.9	205.3	30.4	46.5
27	MACHINERY AND EQUIPMENT	22.7	137.1	3.0	2.3	12.3	8.0	37.1	2359.9	462.9	944.6
28	OFFICE MACHINES	2.0	7.5	0.2	0.1	0.2	0.5	0.8	972.0	42.2	72.6
29	OTHER ELECTRICAL EQPT.	11.5	47.0	1.5	0.6	1.4	6.7	8.0	3541.7	746.6	386.8
30	SHIPBUILDING AND REPAIR	0.5	1.7	0.2	0.2	0.3	0.1	0.2	50.9	3.8	20.0
31	OTHER TRANSPORT EQPT.	8.0	28.1	3.1	0.7	1.1	1.1	3.6	592.1	1649.7	322.4
32	INSTRUMENTS	3.1	11.6	0.5	0.2	0.4	0.8	1.4	556.7	215.3	156.9
33	MISCELLANEOUS MFG.	3.4	12.4	1.0	0.1	0.3	0.5	1.5	418.7	29.2	155.2
34	DEEPSEA FOREIGN	3.9	14.3	3.0	4.4	6.6	2.4	2.6	181.5	21.8	251.3
35	DEEPSEA DOMESTIC	2.6	13.3	0.4	0.0	0.1	0.2	0.8	101.2	5.6	74.8
36	GREAT LAKES TRANS.	0.6	1.8	0.1	0.1	0.0	0.1	0.2	62.0	3.9	19.1
37	RIVER AND CANAL TRANS.	3.3	7.4	0.2	0.1	0.1	0.1	0.6	60.9	5.2	95.8
38	LOCAL WATER TRANS.	0.6	2.1	0.1	0.1	0.2	0.1	0.2	19.3	1.5	24.9
39	SERVICE TO WATER TRANS.	0.9	4.1	0.3	0.4	0.5	0.2	0.4	38.6	3.1	38.5
40	OTHER TRANS. AND STORAGE	110.8	233.1	11.4	2.1	4.8	6.4	22.9	4754.0	340.1	4365.5
41	COMMUNICATIONS	22.2	65.9	1.8	0.5	1.1	2.0	5.9	1040.5	161.7	884.1
42	UTILITIES	41.1	158.1	4.3	3.8	7.9	7.4	41.9	1716.0	207.7	1807.6
43	WHOLESALE/RETAIL	204.3	547.6	18.7	2.3	6.4	9.5	33.5	9489.8	515.2	6253.6
44	FINANCE INS. AND R.E.	205.0	908.5	26.9	9.6	13.7	70.4	75.5	4628.4	342.8	5239.7
45	SERVICES	150.0	599.9	13.4	5.4	7.6	15.9	53.4	8369.1	653.5	6963.4
46	GOVERNMENT ENTERPRISE	18.4	62.4	2.1	1.0	2.0	2.9	10.2	806.8	81.1	762.8
47	NONCOMPETITIVE IMPORTS	9.2	15.4	4.3	0.5	0.7	0.5	1.3	261.2	19.5	1352.9
48	COMPETITIVE IMPORTS	60.3	221.6	55.8	29.7	43.7	28.5	41.5	2318.3	334.4	2733.1
49	DUMMY INDUSTRIES	20.8	70.1	5.1	1.1	3.0	6.4	13.5	1915.2	289.4	1107.1
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	5289.2	13757.9	836.1	172.8	362.0	584.9	1247.9	184323.1	20074.6	185798.8

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	427.6	66.0	18.8	23.4	29.9	127.6	46.2	22.2	106.7	1.6
2	OTHER AGRICULTURAL PROD.	1187.5	162.8	20.2	26.6	34.7	130.6	49.1	28.2	79.4	1.9
3	FOREST AND FISH PRODUCTS	215.4	461.7	15.7	9.3	9.1	20.0	11.5	7.1	14.0	1.1
4	IRON ORES MINING	13.1	19.4	3.3	4.2	18.9	15.0	12.8	6.5	3.3	0.4
5	NONFERROUS ORES MINING	14.1	9.6	2.8	4.7	29.4	16.1	11.0	7.7	2.9	0.7
6	CRUDE OIL AND NATURAL GAS	184.8	69.9	36.2	41.6	249.5	141.9	6171.7	74.9	28.2	5.7
7	OTHER MINING	121.1	40.9	43.4	29.5	212.6	114.7	102.9	62.0	18.9	12.4
8	CONSTRUCTION	290.4	109.7	55.9	96.1	106.5	162.5	554.3	71.9	45.3	11.3
9	ORDNANCE AND ACCESSORIES	4.9	9.6	1.0	2.9	3.9	3.6	3.1	2.1	1.0	0.1
10	FOOD PRODUCTS AND TOBACCO	267.2	65.8	56.5	61.3	93.3	403.9	98.0	59.8	318.6	4.4
11	TEXTILE AND APPAREL	38573.4	452.3	99.1	107.5	47.0	108.2	51.9	352.5	560.3	5.9
12	LUMBER AND WOOD PRODUCTS	142.7	9428.6	270.3	110.0	42.8	76.2	66.2	46.4	78.8	16.8
13	PAPER AND PRODUCTS	715.2	215.0	3835.3	1387.3	160.4	546.0	202.4	247.0	179.9	53.7
14	PRINTING AND PUBLISHING	188.7	59.0	59.3	6545.6	44.4	207.0	108.8	43.8	38.8	5.0
15	CHEMICALS AND PRODUCTS	1311.3	233.8	205.5	253.8	5527.7	1693.2	569.3	983.5	197.8	27.3
16	OTHER CHEMICAL PRODUCTS	123.4	103.7	19.1	26.1	110.1	9357.8	98.5	59.4	59.1	5.8
17	PETROLEUM REFINING	316.2	127.4	62.2	71.1	496.2	273.3	15960.8	140.4	48.8	7.3
18	RUBBER AND PLASTICS	3015.2	307.4	142.8	129.5	254.5	679.4	139.2	4911.2	461.2	23.3
19	LEATHER AND PRODUCTS	107.4	7.3	1.9	3.2	2.2	7.0	3.9	10.3	4647.1	0.2
20	GLASS AND PRODUCTS	81.9	42.5	3.9	4.6	8.1	137.5	10.4	14.7	8.2	613.2
21	STONE AND CLAY PRODUCTS	83.9	82.1	16.8	16.1	37.9	58.9	128.5	31.5	12.2	13.4
22	PRIMARY IRON AND STEEL	202.0	375.4	56.3	72.5	137.8	224.4	227.1	87.3	57.9	6.0
23	PRIMARY NONFERROUS METALS	144.5	127.1	31.5	58.6	152.5	156.0	133.4	65.6	33.3	18.2
24	HTNG,PLMG,AND STRL. METAL	38.3	28.7	7.4	11.6	14.4	22.4	78.6	11.9	6.6	1.5
25	OTHER FABRICATED METALS	248.7	395.8	79.6	126.3	126.7	496.9	177.7	114.7	121.5	5.7
26	ENGINES AND TURBINES	11.5	6.1	2.2	2.8	6.2	7.4	31.2	3.6	2.1	0.4
27	MACHINERY AND EQUIPMENT	303.7	125.4	54.0	54.1	138.2	128.2	241.7	94.9	55.2	7.0
28	OFFICE MACHINES	19.4	16.5	3.5	5.9	5.7	14.3	16.4	4.8	3.4	0.6
29	OTHER ELECTRICAL EQPT.	113.0	60.8	18.4	34.9	38.7	71.4	162.1	30.6	21.9	4.4
30	SHIPBUILDING AND REPAIR	4.7	3.9	0.9	0.8	1.9	2.1	12.3	1.6	0.7	0.1
31	OTHER TRANSPORT EQPT.	77.0	50.2	12.0	20.6	25.1	57.9	49.6	35.5	15.8	4.8
32	INSTRUMENTS	74.7	32.7	12.2	71.4	13.1	65.8	36.3	13.6	21.0	2.2
33	MISCELLANEOUS MFG.	362.8	35.8	10.2	25.1	14.3	42.7	20.8	33.4	51.3	2.2
34	DEEPSEA FOREIGN	66.9	73.2	10.6	6.9	17.8	19.4	92.7	11.9	7.8	2.4
35	DEEPSEA DOMESTIC	14.8	8.5	3.3	3.0	13.5	10.6	158.9	6.5	3.2	0.3
36	GREAT LAKES TRANS.	2.2	2.1	1.7	1.2	1.8	2.2	2.6	1.0	0.7	0.2
37	RIVER AND CANAL TRANS.	11.4	8.5	3.9	2.5	9.5	8.5	34.6	4.7	1.6	0.4
38	LOCAL WATER TRANS.	5.6	4.7	1.3	0.8	2.4	2.1	18.7	1.3	0.7	0.1
39	SERVICE TO WATER TRANS.	8.7	7.8	1.7	1.3	4.5	4.0	40.8	2.4	1.3	0.3
40	OTHER TRANS. AND STORAGE	823.5	347.4	200.7	233.2	243.9	419.2	769.8	194.3	143.5	28.6
41	COMMUNICATIONS	245.3	74.1	31.0	114.2	47.8	147.9	96.5	49.4	44.5	5.4
42	UTILITIES	593.6	185.6	118.0	131.2	273.2	246.4	499.6	155.1	86.3	34.1
43	WHOLESALE/RETAIL	1652.5	504.3	183.2	298.2	235.9	568.8	463.7	262.5	314.4	38.5
44	FINANCE INS. AND R.E.	1306.7	382.2	160.6	316.2	353.4	748.4	1923.5	250.4	226.8	31.1
45	SERVICES	1337.7	443.2	194.5	519.0	353.0	1835.7	924.0	327.7	277.1	37.0
46	GOVERNMENT ENTERPRISE	243.4	69.1	36.3	129.0	73.2	110.0	162.4	47.9	43.5	8.3
47	NONCOMPETITIVE IMPORTS	115.6	23.8	7.5	11.2	22.4	55.7	43.9	51.7	21.2	1.2
48	COMPETITIVE IMPORTS	1062.6	538.4	261.8	145.8	271.1	261.9	1111.0	170.5	143.5	25.9
49	DUMMY INDUSTRIES	386.3	115.3	79.9	153.3	90.9	281.0	195.4	91.8	65.0	10.7
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	56602.3	16121.1	6574.7	11686.1	10208.0	20311.7	30125.6	9309.7	8680.7	1073.2

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	1.8	5.9	7.4	6.6	10.4	6.0	67.4	32.3	84.8	6.0
2	OTHER AGRICULTURAL PROD.	2.1	5.6	6.5	6.5	10.5	5.7	66.6	31.2	87.9	6.1
3	FOREST AND FISH PRODUCTS	0.7	1.5	1.7	2.2	3.7	1.6	20.2	9.6	36.4	2.8
4	IRON ORES MINING	1.7	83.7	3.7	28.3	47.6	17.1	198.3	37.2	101.4	16.8
5	NONFERROUS ORES MINING	1.6	10.4	97.1	15.0	23.8	12.9	99.5	41.5	154.0	11.9
6	CRUDE OIL AND NATURAL GAS	8.9	14.3	10.9	13.4	24.0	13.6	158.8	47.2	166.5	13.3
7	OTHER MINING	61.6	48.3	7.7	20.2	36.7	15.8	172.2	44.3	149.2	14.8
8	CONSTRUCTION	13.8	31.2	18.4	27.8	46.3	25.2	294.0	107.5	335.3	28.7
9	ORDNANCE AND ACCESSORIES	0.2	0.8	0.7	2.9	4.1	15.3	58.3	14.6	146.5	13.2
10	FOOD PRODUCTS AND TOBACCO	4.6	18.7	24.4	19.9	30.7	18.1	194.2	93.4	241.8	17.4
11	TEXTILE AND APPAREL	12.3	8.3	9.6	12.3	29.6	14.4	164.7	70.5	262.7	15.9
12	LUMBER AND WOOD PRODUCTS	6.4	11.6	14.1	23.6	40.6	13.0	186.4	91.7	459.3	37.6
13	PAPER AND PRODUCTS	26.4	16.1	18.6	34.2	89.4	29.5	276.7	205.3	747.6	22.5
14	PRINTING AND PUBLISHING	5.2	16.1	17.1	19.3	50.1	17.9	204.9	169.3	297.4	17.6
15	CHEMICALS AND PRODUCTS	24.2	38.4	34.1	30.7	80.2	25.2	313.4	145.6	679.1	23.6
16	OTHER CHEMICAL PRODUCTS	2.7	5.1	4.7	21.5	35.0	8.6	99.3	55.1	167.2	11.5
17	PETROLEUM REFINING	14.4	20.7	15.4	21.0	37.4	23.2	270.6	77.9	271.3	21.3
18	RUBBER AND PLASTICS	18.8	14.3	29.4	23.2	74.0	28.6	503.9	225.6	1027.3	24.8
19	LEATHER AND PRODUCTS	0.5	0.8	1.2	0.9	2.4	1.3	14.9	5.5	20.1	1.0
20	GLASS AND PRODUCTS	0.7	1.5	1.4	10.2	6.4	3.5	31.7	28.1	328.9	7.6
21	STONE AND CLAY PRODUCTS	665.3	12.3	7.1	14.4	25.1	28.1	282.4	84.2	286.6	24.5
22	PRIMARY IRON AND STEEL	20.5	1678.1	59.6	565.6	947.3	340.5	3947.9	732.0	1964.4	334.1
23	PRIMARY NONFERROUS METALS	8.1	82.8	1664.3	223.6	351.2	199.9	1461.1	654.1	2395.9	183.2
24	HTNG,PLMG,AND STRL. METAL	2.4	8.0	3.5	1079.1	24.1	14.5	279.7	136.2	115.8	131.8
25	OTHER FABRICATED METALS	13.8	50.9	32.9	121.4	3213.9	108.2	1199.2	517.4	1479.5	186.7
26	ENGINES AND TURBINES	1.6	2.9	2.5	7.6	8.3	1899.8	411.3	21.7	116.9	123.3
27	MACHINERY AND EQUIPMENT	21.0	73.8	48.5	105.7	176.6	309.3	24956.6	445.2	952.6	264.8
28	OFFICE MACHINES	0.9	2.2	1.7	28.0	13.2	5.0	103.6	8784.5	295.4	7.6
29	OTHER ELECTRICAL EQPT.	6.8	32.1	34.2	58.2	59.6	152.7	1150.1	2010.0	32843.4	69.9
30	SHIPBUILDING AND REPAIR	0.2	1.0	0.7	7.1	1.9	7.5	28.0	2.6	6.9	2141.1
31	OTHER TRANSPORT EQPT.	2.8	17.1	11.3	52.8	75.1	190.1	538.0	243.9	661.4	58.3
32	INSTRUMENTS	1.4	6.4	4.0	15.7	17.1	10.9	143.4	114.0	349.4	17.4
33	MISCELLANEOUS MFG.	3.7	4.3	5.4	5.1	13.4	4.7	64.1	44.8	120.3	4.6
34	DEEPSEA FOREIGN	1.5	11.2	13.6	6.6	12.9	5.8	64.4	18.6	68.1	4.7
35	DEEPSEA DOMESTIC	0.7	1.5	0.8	1.3	2.2	1.1	12.9	3.7	13.2	1.0
36	GREAT LAKES TRANS.	1.5	5.7	0.3	2.1	3.5	1.3	14.8	3.0	9.3	1.2
37	RIVER AND CANAL TRANS.	0.9	3.9	1.1	1.9	3.3	1.3	13.5	3.3	11.6	1.2
38	LOCAL WATER TRANS.	0.2	0.7	0.5	0.4	0.8	0.4	3.9	1.1	3.9	0.3
39	SERVICE TO WATER TRANS.	0.3	1.5	1.3	0.9	1.7	0.8	8.5	2.4	8.7	0.7
40	OTHER TRANS. AND STORAGE	51.3	103.8	78.2	93.9	150.3	73.8	790.5	293.3	873.1	82.5
41	COMMUNICATIONS	7.2	13.6	10.5	23.1	33.0	21.9	271.0	115.7	381.4	26.2
42	UTILITIES	35.5	72.2	57.2	56.9	102.9	47.0	541.9	170.9	633.2	54.2
43	WHOLESALE/RETAIL	30.8	80.5	86.6	115.0	160.5	126.1	1343.1	594.3	1608.0	129.3
44	FINANCE INS. AND R.E.	39.6	61.1	58.5	94.0	144.6	77.7	1169.3	564.5	1375.1	83.7
45	SERVICES	40.4	95.8	67.5	119.6	193.8	113.6	1343.0	581.6	1905.0	115.0
46	GOVERNMENT ENTERPRISE	9.6	19.1	15.4	18.6	31.4	16.8	194.8	73.8	240.0	18.6
47	NONCOMPETITIVE IMPORTS	1.6	4.2	8.3	4.0	7.1	6.5	54.9	18.6	108.0	3.8
48	COMPETITIVE IMPORTS	22.5	131.8	201.1	89.1	186.0	111.1	1521.2	394.7	1480.2	69.2
49	DUMMY INDUSTRIES	10.4	63.6	84.5	64.0	94.4	59.1	607.8	299.3	741.7	55.9
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	1211.2	2995.1	2885.3	3894.9	6737.7	4211.8	45676.8	18462.8	56013.6	4429.4

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	166.3	24.7	27.8	3.8	1.0	0.1	0.3	0.0	3.2	63.9
2 OTHER AGRICULTURAL PROD.	194.7	31.1	40.1	4.9	1.4	0.1	0.4	0.1	7.3	85.8
3 FOREST AND FISH PRODUCTS	71.1	7.7	16.3	1.0	0.3	0.0	0.1	0.0	1.0	15.7
4 IRON ORES MINING	358.9	17.1	16.9	2.5	0.7	0.1	0.2	0.0	1.7	13.6
5 NONFERROUS ORES MINING	228.1	31.7	26.8	2.4	0.6	0.1	0.2	0.0	1.6	8.3
6 CRUDE OIL AND NATURAL GAS	336.6	39.7	43.3	26.0	6.8	0.7	2.3	0.3	18.1	430.4
7 OTHER MINING	343.9	33.4	35.2	4.9	1.3	0.1	0.4	0.1	5.3	50.0
8 CONSTRUCTION	660.2	80.2	73.9	33.1	9.3	0.9	2.9	0.4	37.5	711.5
9 ORDNANCE AND ACCESSORIES	458.4	18.8	6.2	0.7	0.2	0.0	0.1	0.0	0.5	4.8
10 FOOD PRODUCTS AND TOBACCO	453.8	70.4	72.9	9.0	2.4	0.2	0.8	0.1	7.6	170.4
11 TEXTILE AND APPAREL	1638.8	162.6	350.6	28.3	7.3	0.8	2.5	0.4	18.3	122.4
12 LUMBER AND WOOD PRODUCTS	814.0	66.3	192.8	5.7	1.5	0.2	0.5	0.1	4.9	76.0
13 PAPER AND PRODUCTS	814.8	262.1	446.4	13.5	3.5	0.4	1.2	0.2	9.4	156.6
14 PRINTING AND PUBLISHING	531.9	70.6	86.6	10.8	2.8	0.3	0.9	0.1	8.2	147.2
15 CHEMICALS AND PRODUCTS	946.5	281.5	212.0	11.8	3.1	0.3	1.0	0.1	9.8	156.6
16 OTHER CHEMICAL PRODUCTS	372.1	62.5	64.0	11.9	3.1	0.3	1.1	0.1	8.3	60.7
17 PETROLEUM REFINING	563.8	67.3	75.7	55.1	14.4	1.6	5.0	0.7	36.4	897.9
18 RUBBER AND PLASTICS	1871.5	258.3	533.0	13.4	3.4	0.4	1.1	0.2	8.3	214.1
19 LEATHER AND PRODUCTS	29.9	7.6	47.7	0.4	0.1	0.0	0.0	0.0	0.3	4.5
20 GLASS AND PRODUCTS	426.1	50.5	30.6	5.3	1.4	0.1	0.5	0.1	3.4	24.4
21 STONE AND CLAY PRODUCTS	374.9	34.2	37.4	5.5	1.5	0.2	0.5	0.1	4.9	75.5
22 PRIMARY IRON AND STEEL	7122.7	325.4	325.4	49.2	12.8	1.4	4.4	0.6	32.4	263.8
23 PRIMARY NONFERROUS METALS	3444.0	474.1	427.1	36.6	9.4	1.0	3.2	0.5	24.0	113.3
24 MTNG,PLMG,AND STRL. METAL	321.9	20.8	16.1	7.7	2.1	0.2	0.7	0.1	6.4	72.4
25 OTHER FABRICATED METALS	5078.1	333.5	255.5	46.5	12.0	1.3	4.1	0.6	30.2	156.3
26 ENGINES AND TURBINES	545.1	7.9	4.6	6.8	1.8	0.2	0.6	0.1	4.4	35.9
27 MACHINERY AND EQUIPMENT	3669.4	196.9	92.4	30.5	7.8	0.9	2.7	0.4	20.0	147.7
28 OFFICE MACHINES	543.0	27.2	25.9	1.5	0.4	0.0	0.1	0.0	1.2	20.9
29 OTHER ELECTRICAL EQPT.	3039.0	559.7	151.6	12.1	3.2	0.4	1.1	0.2	8.5	150.6
30 SHIPBUILDING AND REPAIR	76.2	2.7	1.6	64.6	16.6	1.8	5.7	0.8	40.5	3.3
31 OTHER TRANSPORT EQPT.	63359.9	122.6	69.8	13.4	3.5	0.4	1.2	0.2	8.7	333.3
32 INSTRUMENTS	659.7	6749.9	25.8	10.4	2.7	0.3	0.9	0.1	6.7	37.0
33 MISCELLANEOUS MFG.	183.6	44.0	6091.6	3.9	1.0	0.1	0.3	0.0	2.6	20.5
34 DEEPSEA FOREIGN	122.4	16.2	24.0	1780.4	0.7	0.0	0.1	0.0	1.7	14.7
35 DEEPSEA DOMESTIC	30.1	2.9	3.5	2.1	392.9	0.1	0.2	0.0	1.3	30.6
36 GREAT LAKES TRANS.	28.6	1.8	1.7	0.3	0.1	52.4	0.0	0.0	0.2	2.0
37 RIVER AND CANAL TRANS.	29.3	2.6	2.6	0.7	0.2	0.0	159.0	0.0	0.6	8.5
38 LOCAL WATER TRANS.	8.3	0.9	1.3	44.6	32.0	0.0	11.9	25.7	0.2	4.0
39 SERVICE TO WATER TRANS.	17.5	2.0	2.7	141.0	80.3	1.6	4.7	0.1	1231.7	7.7
40 OTHER TRANS. AND STORAGE	2195.6	190.6	228.8	102.0	30.8	3.8	10.3	0.9	50.0	19133.2
41 COMMUNICATIONS	611.8	90.6	70.9	17.8	4.7	0.5	1.6	0.2	12.2	276.4
42 UTILITIES	1200.1	130.5	131.8	22.5	6.3	0.6	1.9	0.3	28.5	337.4
43 WHOLESALE/RETAIL	2873.7	386.7	435.3	50.0	13.0	1.3	4.3	0.6	34.8	888.2
44 FINANCE INS. AND R.E.	2248.4	326.9	327.1	98.6	26.0	2.8	8.8	1.2	73.6	1278.6
45 SERVICES	3767.8	501.4	457.9	86.4	22.8	2.4	7.7	1.1	63.2	1114.7
46 GOVERNMENT ENTERPRISE	465.0	54.4	59.9	36.4	15.4	0.7	2.3	0.2	177.3	637.6
47 NONCOMPETITIVE IMPORTS	174.1	14.1	133.1	145.9	37.6	4.1	13.0	1.9	94.4	183.7
48 COMPETITIVE IMPORTS	2348.4	362.8	520.3	681.4	5.0	4.4	1.7	0.2	13.1	230.3
49 DUMMY INDUSTRIES	1400.2	177.4	143.6	20.4	5.4	0.6	1.8	0.3	14.5	225.2
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 COLUMN SUM	117220.2	12604.7	12467.9	3763.5	812.7	93.4	276.6	59.6	2178.6	29230.4

TABLE F1. INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY,1967/DIRECT AND INDIRECT/(IN $ MILLION)

		4_1	4_2	4_3	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	21.7	39.7	577.6	1305.5	478.6	18.9	0.0	0.0	-11.0	0.0
2	OTHER AGRICULTURAL PROD.	22.4	106.1	562.7	1452.8	562.6	87.0	0.0	0.0	-8.3	0.0
3	FOREST AND FISH PRODUCTS	5.5	15.1	209.6	263.0	104.7	7.6	0.0	0.0	-1.4	0.0
4	IRON ORES MINING	2.8	10.2	40.2	64.4	62.0	2.2	0.0	0.0	-0.3	0.0
5	NONFERROUS ORES MINING	3.3	8.8	37.0	67.7	52.3	2.1	0.0	0.0	-0.3	0.0
6	CRUDE OIL AND NATURAL GAS	39.7	1512.3	949.4	712.6	626.8	49.9	0.0	0.0	-2.1	0.0
7	OTHER MINING	15.4	585.0	255.6	288.5	260.5	47.3	0.0	0.0	-0.8	0.0
8	CONSTRUCTION	318.3	1056.4	1647.3	5745.1	1766.2	356.9	0.0	0.0	-3.6	0.0
9	ORDNANCE AND ACCESSORIES	1.9	2.5	51.2	23.4	33.3	0.6	0.0	0.0	-0.5	0.0
10	FOOD PRODUCTS AND TOBACCO	59.1	93.6	1658.7	815.7	1207.7	43.6	0.0	0.0	-39.6	0.0
11	TEXTILE AND APPAREL	24.6	64.3	727.4	372.8	788.9	20.0	0.0	0.0	-3.3	0.0
12	LUMBER AND WOOD PRODUCTS	32.6	93.3	594.0	558.2	415.7	29.7	0.0	0.0	-1.9	0.0
13	PAPER AND PRODUCTS	72.7	107.4	2404.5	907.5	2442.2	28.4	0.0	0.0	-14.8	0.0
14	PRINTING AND PUBLISHING	128.6	96.9	1560.4	1306.8	7547.9	34.5	0.0	0.0	-20.1	0.0
15	CHEMICALS AND PRODUCTS	36.6	170.3	953.7	824.3	1274.9	57.4	0.0	0.0	-4.2	0.0
16	OTHER CHEMICAL PRODUCTS	24.1	43.7	526.9	344.3	1345.2	18.5	0.0	0.0	-1.8	0.0
17	PETROLEUM REFINING	64.9	290.4	1632.0	1121.6	1011.7	64.1	0.0	0.0	-4.1	0.0
18	RUBBER AND PLASTICS	47.3	94.6	1181.9	589.7	1393.9	28.7	0.0	0.0	-3.6	0.0
19	LEATHER AND PRODUCTS	3.1	3.2	77.3	33.0	197.0	1.2	0.0	0.0	-0.7	0.0
20	GLASS AND PRODUCTS	6.0	9.9	175.8	75.3	180.1	3.5	0.0	0.0	-0.7	0.0
21	STONE AND CLAY PRODUCTS	30.3	112.3	346.4	529.7	396.0	31.6	0.0	0.0	-0.7	0.0
22	PRIMARY IRON AND STEEL	53.4	187.8	743.2	783.5	1169.0	40.8	0.0	0.0	-6.2	0.0
23	PRIMARY NONFERROUS METALS	49.9	105.6	491.8	561.6	723.4	27.6	0.0	0.0	-4.6	0.0
24	HTNG.PLMG.AND STRL. METAL	31.1	105.5	323.8	580.6	211.9	33.5	0.0	0.0	-0.9	0.0
25	OTHER FABRICATED METALS	48.6	111.3	850.5	582.4	1952.8	28.4	0.0	0.0	-5.5	0.0
26	ENGINES AND TURBINES	3.3	18.9	58.6	64.5	119.6	4.8	0.0	0.0	-0.4	0.0
27	MACHINERY AND EQUIPMENT	32.2	132.5	739.6	630.4	1176.3	24.4	0.0	0.0	-3.0	0.0
28	OFFICE MACHINES	10.0	18.2	212.8	312.5	351.9	6.0	0.0	0.0	-0.6	0.0
29	OTHER ELECTRICAL EQPT.	196.8	142.1	849.0	712.8	1342.3	23.9	0.0	0.0	-4.5	0.0
30	SHIPBUILDING AND REPAIR	0.6	3.9	11.8	12.5	11.0	1.4	0.0	0.0	-0.1	0.0
31	OTHER TRANSPORT EQPT.	26.8	41.7	504.0	389.9	1339.2	15.0	0.0	0.0	-3.5	0.0
32	INSTRUMENTS	18.8	21.0	378.6	203.6	879.1	6.5	0.0	0.0	-3.3	0.0
33	MISCELLANEOUS MFG.	19.0	18.4	402.6	180.9	887.6	5.4	0.0	0.0	-5.3	0.0
34	DEEPSEA FOREIGN	3.3	31.1	62.8	49.2	60.1	16.9	0.0	0.0	-0.8	0.0
35	DEEPSEA DOMESTIC	2.6	15.4	60.9	63.4	43.6	2.8	0.0	0.0	-0.2	0.0
36	GREAT LAKES TRANS.	0.5	5.9	7.5	8.0	9.8	0.7	0.0	0.0	-0.0	0.0
37	RIVER AND CANAL TRANS.	1.1	23.4	24.4	16.8	24.3	2.7	0.0	0.0	-0.1	0.0
38	LOCAL WATER TRANS.	0.4	4.1	9.7	8.2	7.6	0.9	0.0	0.0	-0.1	0.0
39	SERVICE TO WATER TRANS.	0.8	6.5	18.3	17.6	14.7	2.0	0.0	0.0	-0.1	0.0
40	OTHER TRANS. AND STORAGE	134.5	700.9	2703.7	2188.7	2260.6	280.2	0.0	0.0	-54.4	0.0
41	COMMUNICATIONS	10313.9	122.8	1996.3	1319.3	3699.4	30.0	0.0	0.0	-2.6	0.0
42	UTILITIES	152.7	19960.9	3129.0	1394.2	2450.2	305.7	0.0	0.0	-3.5	0.0
43	WHOLESALE/RETAIL	205.4	394.1	124859.1	3032.9	4223.8	110.6	0.0	0.0	-15.9	0.0
44	FINANCE INS. AND R.E.	466.4	861.3	11356.6	114588.0	8064.6	206.1	0.0	0.0	-10.9	0.0
45	SERVICES	1075.4	678.8	11292.0	8305.0	94935.4	216.1	0.0	0.0	-28.0	0.0
46	GOVERNMENT ENTERPRISE	90.4	3054.7	2676.6	2874.7	1545.1	3139.9	0.0	0.0	-3.1	0.0
47	NONCOMPETITIVE IMPORTS	68.0	78.7	198.7	175.5	199.4	68.2	-3825.8	0.0	-1.4	0.0
48	COMPETITIVE IMPORTS	48.8	302.0	845.0	631.8	948.9	35.4	0.0	-22570.3	-14.8	1763.0
49	DUMMY INDUSTRIES	191.6	193.0	2469.7	1595.7	2493.8	40.0	0.0	0.0	-154.9	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	92634.8
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	14207.4	31856.1	183446.1	157786.2	153299.7	5609.7	-3825.8	-22570.3	-452.4	94397.8

		51	52
1	LIVESTOCK AND PRODUCTS	0.0	30637.6
2	OTHER AGRICULTURAL PROD.	0.0	28537.0
3	FOREST AND FISH PRODUCTS	0.0	4615.3
4	IRON ORES MINING	0.0	1744.5
5	NONFERROUS ORES MINING	0.0	1646.2
6	CRUDE OIL AND NATURAL GAS	0.0	15031.8
7	OTHER MINING	0.0	6541.5
8	CONSTRUCTION	0.0	103281.3
9	ORDNANCE AND ACCESSORIES	0.0	10731.9
10	FOOD PRODUCTS AND TOBACCO	0.0	97392.4
11	TEXTILE AND APPAREL	0.0	47483.5
12	LUMBER AND WOOD PRODUCTS	0.0	21391.6
13	PAPER AND PRODUCTS	0.0	22764.6
14	PRINTING AND PUBLISHING	0.0	22118.3
15	CHEMICALS AND PRODUCTS	0.0	23184.0
16	OTHER CHEMICAL PRODUCTS	0.0	15496.9
17	PETROLEUM REFINING	0.0	26974.8
18	RUBBER AND PLASTICS	0.0	22231.0
19	LEATHER AND PRODUCTS	0.0	5336.4
20	GLASS AND PRODUCTS	0.0	3806.0
21	STONE AND CLAY PRODUCTS	0.0	11019.9
22	PRIMARY IRON AND STEEL	0.0	31737.9
23	PRIMARY NONFERROUS METALS	0.0	20873.9
24	HTNG,PLMG,AND STRL. METAL	0.0	12509.9
25	OTHER FABRICATED METALS	0.0	25164.9
26	ENGINES AND TURBINES	0.0	3825.7
27	MACHINERY AND EQUIPMENT	0.0	39447.6
28	OFFICE MACHINES	0.0	11961.7
29	OTHER ELECTRICAL EQPT.	0.0	48073.9
30	SHIPBUILDING AND REPAIR	0.0	2558.9
31	OTHER TRANSPORT EQPT.	0.0	71014.4
32	INSTRUMENTS	0.0	10967.5
33	MISCELLANEOUS MFG.	0.0	9356.0
34	DEEPSEA FOREIGN	0.0	3190.6
35	DEEPSEA DOMESTIC	0.0	1111.9
36	GREAT LAKES TRANS.	0.0	265.7
37	RIVER AND CANAL TRANS.	0.0	597.5
38	LOCAL WATER TRANS.	0.0	258.8
39	SERVICE TO WATER TRANS.	0.0	1735.8
40	OTHER TRANS. AND STORAGE	0.0	46011.9
41	COMMUNICATIONS	0.0	22511.2
42	UTILITIES	0.0	37339.6
43	WHOLESALE/RETAIL	0.0	163366.8
44	FINANCE INS. AND R.E.	0.0	161012.0
45	SERVICES	0.0	150156.2
46	GOVERNMENT ENTERPRISE	0.0	17338.4
47	NONCOMPETITIVE IMPORTS	0.0	-0.1
48	COMPETITIVE IMPORTS	0.0	3.8
49	DUMMY INDUSTRIES	0.0	15804.2
50	MISCELLANEOUS INDUSTRIES	0.0	92634.8
51	INVENTORY VALUE ADJ.	-1843.0	-1843.0
52	COLUMN SUM	-1843.0	1520955.2

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	148870.0	29299.3	2287.0	12.3	24.8	72.1	125.9	17502.6	1735.7	1320437.9
2	OTHER AGRICULTURAL PROD.	58939.6	542530.4	5558.8	18.4	30.0	99.9	193.0	34223.2	2307.5	1099370.0
3	FOREST AND FISH PRODUCTS	6432.5	25060.0	30722.9	4.7	13.0	21.4	54.2	35536.2	868.1	111630.4
4	IRON ORES MINING	18.1	80.1	3.5	1276.8	15.7	0.0	29.6	4722.1	745.6	1007.8
5	NONFERROUS ORES MINING	38.7	203.5	6.3	64.8	6533.8	7.3	69.1	10566.8	1392.3	1665.4
6	CRUDE OIL AND NATURAL GAS	583.8	3128.2	84.1	12.8	30.0	6410.3	250.6	23765.1	1205.4	15243.2
7	OTHER MINING	481.5	3107.1	56.9	34.2	77.7	48.3	57149.8	69939.1	2342.2	16504.1
8	CONSTRUCTION	2056.6	7218.8	160.1	95.7	141.8	600.9	652.7	3541188.7	4199.4	52748.7
9	ORDNANCE AND ACCESSORIES	11.1	46.5	2.3	0.6	1.7	2.8	7.1	1501.7	289366.1	471.4
10	FOOD PRODUCTS AND TOBACCO	7550.6	2261.2	300.4	8.1	20.1	41.0	93.9	14292.5	1764.1	1717302.4
11	TEXTILE AND APPAREL	855.9	3853.9	999.6	24.7	35.1	53.9	551.2	58498.5	6317.6	37898.2
12	LUMBER AND WOOD PRODUCTS	648.5	3118.3	190.0	26.5	111.7	76.1	302.7	514550.7	7565.9	34649.5
13	PAPER AND PRODUCTS	1054.4	2390.8	555.9	15.6	37.0	62.7	537.7	48442.6	6003.5	123677.9
14	PRINTING AND PUBLISHING	912.6	3053.9	104.4	29.8	51.0	111.3	302.6	46097.4	4518.8	62716.1
15	CHEMICALS AND PRODUCTS	2113.3	15943.8	271.0	47.5	178.4	130.8	607.4	32592.5	8022.1	58457.9
16	OTHER CHEMICAL PRODUCTS	254.9	658.6	24.7	4.6	10.1	21.0	47.6	31760.5	812.9	11771.6
17	PETROLEUM REFINING	440.0	2422.6	65.3	6.3	16.3	20.2	161.3	18007.9	771.1	10684.4
18	RUBBER AND PLASTICS	887.8	3784.6	148.9	41.8	77.2	81.4	538.9	60054.8	7834.8	56435.7
19	LEATHER AND PRODUCTS	103.3	164.6	15.5	1.4	2.9	5.2	17.5	2955.2	326.7	2508.5
20	GLASS AND PRODUCTS	276.2	261.5	17.1	2.6	5.2	10.8	23.1	18148.9	1138.0	47371.8
21	STONE AND CLAY PRODUCTS	316.1	1388.6	35.5	14.9	42.0	155.5	998.0	286007.0	2227.8	10081.0
22	PRIMARY IRON AND STEEL	574.1	2122.7	120.2	104.9	280.2	223.4	982.9	179361.1	28759.6	35743.9
23	PRIMARY NONFERROUS METALS	234.9	987.4	42.0	18.8	41.7	54.1	209.8	95369.4	12583.4	11836.0
24	HTNG,PLMG,AND STRL. METAL	224.7	810.1	21.1	11.4	21.3	106.4	121.3	306056.2	1246.0	6545.0
25	OTHER FABRICATED METALS	1091.1	2611.2	309.3	31.2	99.6	130.2	594.1	118143.7	17328.9	102332.4
26	ENGINES AND TURBINES	33.4	150.4	17.8	8.4	39.2	39.7	189.4	5602.5	829.6	1269.9
27	MACHINERY AND EQUIPMENT	863.5	5206.3	112.1	87.7	466.0	305.0	1408.1	89590.8	17573.5	35860.0
28	OFFICE MACHINES	60.7	231.3	7.6	2.6	5.3	14.7	25.5	29914.8	1298.6	2235.5
29	OTHER ELECTRICAL EQPT.	469.2	1912.7	63.1	23.6	59.0	272.4	527.6	144284.0	30413.6	15756.5
30	SHIPBUILDING AND REPAIR	25.8	95.2	8.3	9.5	14.6	7.0	13.2	2786.1	209.1	1093.0
31	OTHER TRANSPORT EQPT.	204.7	715.6	78.9	16.8	28.5	26.9	90.6	15085.7	42029.8	8213.5
32	INSTRUMENTS	129.2	475.1	19.9	6.3	14.4	31.3	55.9	22840.7	8833.9	6438.5
33	MISCELLANEOUS MFG.	156.1	567.3	47.3	6.2	14.8	22.5	70.2	19171.3	1336.8	7105.2
34	DEEPSEA FOREIGN	65.7	241.3	50.7	24.4	110.8	40.4	43.6	3054.6	352.7	4229.3
35	DEEPSEA DOMESTIC	77.6	398.1	10.7	1.2	2.2	5.2	24.5	3039.9	167.5	2246.4
36	GREAT LAKES TRANS.	13.9	43.4	1.4	3.3	1.0	1.3	5.9	1516.9	95.0	467.3
37	RIVER AND CANAL TRANS.	113.5	253.2	8.2	2.0	3.5	2.8	19.4	2090.4	180.0	3285.6
38	LOCAL WATER TRANS.	36.1	128.7	8.8	7.1	10.7	4.9	10.8	1153.7	88.5	1489.6
39	SERVICE TO WATER TRANS.	61.9	267.8	20.8	23.7	35.1	14.9	25.8	2519.8	199.8	2511.1
40	OTHER TRANS. AND STORAGE	6622.0	13927.6	683.9	126.8	286.5	379.6	1305.5	284100.5	20325.2	260883.5
41	COMMUNICATIONS	954.8	2837.4	75.9	23.6	49.1	84.2	255.0	44817.0	6963.0	38077.6
42	UTILITIES	707.9	2720.1	73.4	65.1	135.4	127.0	720.4	29528.6	3573.3	31104.9
43	WHOLESALE/RETAIL	20200.7	54140.4	1845.1	223.7	628.0	941.9	3309.2	958315.8	50944.1	618338.4
44	FINANCE INS. AND R.E.	4106.0	18198.6	538.1	192.7	273.5	1409.3	1512.6	92709.1	6866.1	104953.8
45	SERVICES	10090.0	40345.0	900.6	365.4	509.9	1070.5	3594.7	562880.1	43953.4	468334.8
46	GOVERNMENT ENTERPRISE	904.5	3065.3	100.8	49.8	99.6	141.5	499.5	39649.6	3985.9	37485.2
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	280867.4	802428.5	46775.8	3230.1	10691.1	13496.0	58029.9	7503936.4	651662.9	6600472.5

	11	12	13	14	15	16	17	18	19	20
1 LIVESTOCK AND PRODUCTS	24241.2	3741.4	1065.3	1327.4	1693.9	7236.2	2022.0	1256.2	6048.9	93.3
2 OTHER AGRICULTURAL PROD.	88338.0	12109.0	1505.6	1976.7	2582.8	9715.7	3650.3	2097.0	5909.1	143.8
3 FOREST AND FISH PRODUCTS	14842.8	31811.2	1079.0	642.9	623.6	1375.4	795.1	489.8	965.3	76.0
4 IRON ORES MINING	192.3	284.3	48.4	62.0	278.1	220.4	187.9	96.1	49.2	5.5
5 NONFERROUS ORES MINING	462.2	314.8	92.9	152.5	960.0	527.5	359.5	253.3	94.6	24.5
6 CRUDE OIL AND NATURAL GAS	3390.2	1283.4	665.1	762.7	4577.7	2603.3	113245.1	1375.2	517.0	104.0
7 OTHER MINING	4779.4	1615.7	1714.2	1164.3	8395.1	4529.1	4061.3	2446.0	745.0	498.7
8 CONSTRUCTION	11203.2	4232.5	2157.1	3706.6	4109.5	6271.3	21388.3	2774.4	1748.1	434.9
9 ORDNANCE AND ACCESSORIES	143.5	283.5	29.2	84.3	116.2	105.5	90.7	62.9	28.5	4.3
10 FOOD PRODUCTS AND TOBACCO	5138.0	1264.6	1086.1	1178.9	1793.3	7766.5	1885.2	1150.9	6127.2	83.9
11 TEXTILE AND APPAREL	1913925.0	22440.1	4918.8	5334.1	2331.3	5371.1	2575.9	17490.9	27803.1	295.1
12 LUMBER AND WOOD PRODUCTS	7019.2	463762.8	13295.8	5409.8	2107.6	3750.5	3295.3	2283.2	3834.6	826.5
13 PAPER AND PRODUCTS	21335.0	6413.4	114414.2	40790.5	4783.6	16289.2	6037.3	7368.9	5368.2	1601.5
14 PRINTING AND PUBLISHING	8941.1	2793.1	2807.0	310086.6	2103.3	9808.4	5153.8	2072.7	1836.6	237.5
15 CHEMICALS AND PRODUCTS	26529.6	4729.7	4158.4	5134.0	111831.7	34254.6	11517.2	19897.9	4000.9	552.9
16 OTHER CHEMICAL PRODUCTS	2501.6	2101.3	386.8	530.0	2230.9	189679.7	1997.5	1204.7	1197.2	117.2
17 PETROLEUM REFINING	2147.6	865.3	422.5	483.0	3369.7	1856.3	94814.1	955.4	331.5	49.4
18 RUBBER AND PLASTICS	97876.5	9977.0	4637.0	4204.9	8260.3	22052.6	4517.0	159421.0	14972.1	755.3
19 LEATHER AND PRODUCTS	7070.9	481.8	128.2	207.5	147.9	458.2	257.4	677.8	305942.8	14.2
20 GLASS AND PRODUCTS	3746.9	1947.6	180.7	211.3	369.2	6292.9	477.9	670.8	374.2	28069.9
21 STONE AND CLAY PRODUCTS	3546.2	3471.6	711.6	682.3	1599.8	2489.8	5429.6	1331.2	515.3	566.9
22 PRIMARY IRON AND STEEL	5836.7	10848.2	1627.8	2096.3	3982.3	6485.8	6563.1	2521.4	1672.3	172.0
23 PRIMARY NONFERROUS METALS	2807.3	2469.7	611.5	1137.5	2961.6	3031.0	2591.5	1273.7	646.3	198.7
24 HTNG,PLMG,AND STRL, METAL	1479.7	1109.0	284.2	446.1	555.9	865.4	3035.1	458.5	253.7	59.1
25 OTHER FABRICATED METALS	8694.2	13837.3	2782.4	4814.4	4428.5	17374.1	6213.6	4010.7	4246.3	288.4
26 ENGINES AND TURBINES	312.5	165.6	61.3	77.0	170.3	201.4	852.2	98.9	57.3	18.9
27 MACHINERY AND EQUIPMENT	11528.2	4761.6	2049.5	2054.9	5246.5	4867.3	9174.5	3601.4	2094.1	266.8
28 OFFICE MACHINES	598.6	507.7	108.8	181.5	176.7	438.7	505.0	147.2	104.7	17.5
29 OTHER ELECTRICAL EQPT.	4605.5	2477.3	750.2	1422.4	1577.6	2906.8	6602.5	1246.4	892.3	177.5
30 SHIPBUILDING AND REPAIR	256.7	213.7	49.8	83.0	106.6	117.6	671.0	88.0	38.9	8.2
31 OTHER TRANSPORT EQPT.	1962.8	1278.1	306.0	525.9	640.2	1474.0	1262.4	903.3	382.8	122.0
32 INSTRUMENTS	3064.5	1342.2	500.3	2929.4	536.3	2700.5	1489.3	559.2	868.4	92.2
33 MISCELLANEOUS MFG.	16610.2	1640.8	967.1	1188.9	656.9	1955.6	954.3	1528.2	2358.4	182.9
34 DEEPSEA FOREIGN	1125.4	1232.9	179.0	116.0	300.0	326.7	1559.7	199.6	131.3	40.5
35 DEEPSEA DOMESTIC	443.8	255.1	98.3	91.4	405.3	319.6	4772.0	194.9	97.4	9.8
36 GREAT LAKES TRANS.	53.1	50.9	41.9	29.4	44.2	52.9	64.8	25.7	17.7	5.0
37 RIVER AND CANAL TRANS.	392.5	292.0	135.5	85.8	326.5	291.2	1186.9	161.4	55.5	12.5
38 LOCAL WATER TRANS.	337.8	279.5	78.5	87.9	142.4	128.0	1119.3	75.3	39.8	7.5
39 SERVICE TO WATER TRANS.	567.6	511.0	109.4	83.2	293.1	262.1	2663.3	158.5	87.9	17.8
40 OTHER TRANS. AND STORAGE	49210.0	20760.3	11996.4	13934.3	14572.6	25052.9	46001.2	11613.3	8574.3	1708.3
41 COMMUNICATION(	10564.5	3191.4	1336.6	4920.7	2060.2	6368.4	4154.7	2127.2	1915.5	231.0
42 UTILITIES	10214.6	3193.6	2030.7	2257.6	4700.2	4239.5	8597.5	2668.9	1484.6	586.2
43 WHOLESALE/RETAIL	163397.0	49859.6	18113.3	29484.4	23326.6	56240.5	45844.8	25951.5	31089.8	3014.1
44 FINANCE INS. AND R.E.	26174.0	7655.6	3216.8	10339.4	7079.3	14990.0	38529.2	5015.9	4542.9	622.8
45 SERVICES	89969.0	29810.8	13081.6	34907.4	23741.8	123466.0	62144.0	22038.6	18635.7	2489.9
46 GOVERNMENT ENTERPRISE	11959.2	3395.1	1785.1	6581.9	3597.8	5404.8	7983.1	2356.3	2139.8	406.9
47 NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 COLUMN SUM	2669535.8	737063.0	217305.4	503248.8	265894.9	612214.7	548853.2	314398.3	470821.1	45128.0

	21	22	23	24	25	26	27	28	29	30
1 LIVESTOCK AND PRODUCTS	102.1	334.8	421.1	376.5	587.8	337.7	3821.8	1830.3	4810.4	337.6
2 OTHER AGRICULTURAL PROD.	159.4	414.2	487.0	482.1	779.3	427.3	4957.0	2324.5	6536.1	455.6
3 FOREST AND FISH PRODUCTS	45.2	102.3	120.5	151.4	251.6	110.6	1389.3	663.2	2504.9	193.3
4 IRON ORES MINING	25.2	1229.2	54.6	416.2	699.3	251.5	2911.2	546.1	1488.2	246.6
5 NONFERROUS ORES MINING	51.7	338.9	3174.2	489.3	778.7	421.0	3252.9	1354.8	5033.2	388.1
6 CRUDE OIL AND NATURAL GAS	163.6	262.6	200.3	245.5	440.3	249.8	2914.2	865.3	3055.4	244.2
7 OTHER MINING	2430.5	1908.0	305.2	796.2	1449.0	623.9	6797.0	1750.1	5890.9	586.3
8 CONSTRUCTION	533.6	1204.0	711.5	1071.1	1784.7	972.2	11345.1	4148.9	12937.7	1106.2
9 ORDNANCE AND ACCESSORIES	4.8	23.0	19.3	85.4	121.8	451.6	1132.4	432.4	4329.8	392.3
10 FOOD PRODUCTS AND TOBACCO	88.4	359.7	469.9	382.2	590.2	347.9	3734.9	1795.1	4649.6	334.9
11 TEXTILE AND APPAREL	608.5	412.4	473.9	811.2	1466.5	716.5	8169.6	3499.2	13033.1	787.5
12 LUMBER AND WOOD PRODUCTS	314.1	569.6	691.3	1181.8	1998.8	638.0	9169.0	4508.3	22590.3	1852.3
13 PAPER AND PRODUCTS	788.0	479.9	553.8	1020.9	2668.5	880.5	8254.2	6123.1	22303.9	671.6
14 PRINTING AND PUBLISHING	247.8	762.1	807.9	912.6	2372.9	846.8	9708.4	8019.9	14087.0	832.9
15 CHEMICALS AND PRODUCTS	489.0	776.8	690.9	620.5	1622.7	909.0	6539.5	2944.7	13739.7	476.7
16 OTHER CHEMICAL PRODUCTS	55.3	104.2	96.1	435.6	709.2	173.4	2012.4	1116.9	3389.9	232.9
17 PETROLEUM REFINING	97.8	140.6	104.7	142.5	254.2	157.4	1857.9	529.2	1842.7	144.8
18 RUBBER AND PLASTICS	609.3	464.1	955.7	752.1	2400.8	927.1	16356.8	7322.7	33345.8	803.9
19 LEATHER AND PRODUCTS	31.2	49.9	76.4	57.1	155.0	88.4	981.3	363.3	1325.7	62.7
20 GLASS AND PRODUCTS	31.4	66.5	62.1	485.0	292.1	161.8	1450.0	1287.3	15057.4	346.2
21 STONE AND CLAY PRODUCTS	28119.3	520.2	300.8	607.5	1062.1	1189.5	11935.8	3558.8	12111.6	1035.1
22 PRIMARY IRON AND STEEL	593.1	48491.5	1723.6	16342.7	27375.0	9839.7	114081.1	21153.2	50765.3	9654.2
23 PRIMARY NONFERROUS METALS	156.6	1608.8	32329.8	4342.5	6822.2	3882.2	28382.5	12706.0	46539.9	3559.5
24 HTNG,PLMG,AND STRL. METAL	94.4	310.0	135.3	64855.6	929.0	559.8	10802.6	5259.8	4472.3	5092.9
25 OTHER FABRICATED METALS	483.5	1779.8	1151.2	4263.6	112367.3	3781.9	41925.5	18090.2	51726.6	3731.5
26 ENGINES AND TURBINES	43.4	77.9	67.6	208.5	225.3	51850.5	11225.4	593.0	3198.8	3365.2
27 MACHINERY AND EQUIPMENT	798.8	2801.1	1840.9	4013.3	6703.1	11743.0	947447.4	16902.9	36163.8	10051.9
28 OFFICE MACHINES	27.5	67.5	51.8	861.4	405.1	153.7	3187.3	270343.7	9090.2	232.9
29 OTHER ELECTRICAL EQPT.	276.4	1308.6	1392.2	2371.1	2426.4	5406.2	46039.0	81884.1	1305391.3	2849.2
30 SHIPBUILDING AND REPAIR	11.9	53.5	38.5	386.7	101.8	410.5	1534.2	140.5	378.7	117289.2
31 OTHER TRANSPORT EQPT.	71.1	436.2	287.5	835.9	1912.6	4843.1	13705.4	6212.7	16849.2	1486.4
32 INSTRUMENTS	58.8	264.1	165.4	642.8	703.2	447.0	5883.2	4677.3	14337.8	713.7
33 MISCELLANEOUS MFG.	171.2	195.3	248.8	284.4	612.8	215.3	2935.8	2049.6	5509.8	712.7
34 DEEPSEA FOREIGN	26.1	188.1	228.6	110.5	216.5	97.3	1083.6	313.4	1145.6	79.5
35 DEEPSEA DOMESTIC	21.2	44.5	23.8	38.7	66.3	33.9	386.6	109.9	396.7	31.5
36 GREAT LAKES TRANS.	37.2	139.1	8.1	50.8	86.0	31.1	361.4	73.8	228.5	38.4
37 RIVER AND CANAL TRANS.	30.2	132.7	38.3	84.4	112.8	43.0	464.1	114.8	398.2	42.5
38 LOCAL WATER TRANS.	10.2	44.7	29.8	26.3	48.0	21.0	233.9	65.7	235.6	19.2
39 SERVICE TO WATER TRANS.	22.0	95.8	83.2	58.6	108.8	49.7	557.6	156.9	566.7	43.1
40 OTHER TRANS. AND STORAGE	3066.4	6206.0	4672.7	5611.7	8983.2	4409.5	47241.6	17527.3	52175.5	4932.0
41 COMMUNICATIONS	311.4	585.1	450.6	996.8	1420.5	944.6	11672.5	4984.5	16428.2	1138.2
42 UTILITIES	610.0	1241.6	983.6	978.5	1770.7	808.0	9324.7	2940.7	10895.1	932.4
43 WHOLESALE/RETAIL	3049.4	7954.7	8557.8	11373.2	15874.2	12473.2	132796.5	50762.6	158989.7	12764.0
44 FINANCE INS. AND R.E.	792.2	1222.9	1171.2	1882.3	2895.4	1556.4	23420.6	11307.5	27543.5	1677.5
45 SERVICES	2718.7	6444.9	4537.5	8083.1	13031.3	7642.3	90327.8	39114.1	128124.8	7735.4
46 GOVERNMENT ENTERPRISE	473.2	939.1	757.7	912.3	1541.0	825.2	9572.5	3628.5	11792.7	916.5
47 NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 COLUMN SUM	48951.0	93156.7	71752.6	140768.0	229224.3	132550.0	1673063.2	634097.0	2163398.9	200039.1

	31	32	33	34	35	36	37	38	39	40
1 LIVESTOCK AND PRODUCTS	9430.3	1399.2	1574.3	213.3	57.8	5.9	18.9	2.6	183.7	3623.2
2 OTHER AGRICULTURAL PROD.	14483.6	2314.9	2980.0	361.0	106.4	4.6	30.5	4.6	539.8	6382.1
3 FOREST AND FISH PRODUCTS	4897.0	529.2	1125.1	70.2	19.2	1.9	6.2	0.9	68.5	1079.5
4 IRON ORES MINING	5269.0	250.7	248.1	36.8	9.5	1.0	3.3	0.5	24.3	200.4
5 NONFERROUS ORES MINING	7453.7	1034.6	875.2	76.9	19.9	2.2	6.8	1.0	50.9	271.0
6 CRUDE OIL AND NATURAL GAS	6175.5	728.4	794.9	476.3	125.3	13.6	42.7	6.0	331.7	7897.5
7 OTHER MINING	13578.9	1317.7	1389.8	191.8	52.8	5.2	16.3	2.3	210.2	1974.6
8 CONSTRUCTION	25471.6	3095.5	2850.7	1278.0	360.5	35.9	112.2	15.2	1447.1	27453.0
9 ORDNANCE AND ACCESSORIES	13546.9	554.9	182.1	21.0	5.5	0.6	1.9	0.3	13.8	141.5
10 FOOD PRODUCTS AND TOBACCO	8725.7	1353.7	1402.2	172.7	47.0	4.7	15.3	2.1	145.6	3276.4
11 TEXTILE AND APPAREL	81314.1	8065.9	17395.0	1405.8	359.9	39.5	123.3	18.1	906.5	6073.7
12 LUMBER AND WOOD PRODUCTS	40038.7	3263.2	9483.1	281.8	75.8	7.9	24.9	3.5	242.5	3736.1
13 PAPER AND PRODUCTS	24306.0	7820.0	13316.8	402.8	105.3	11.3	36.1	5.2	279.9	4671.4
14 PRINTING AND PUBLISHING	25196.3	3346.3	4102.1	510.6	133.8	13.7	44.6	6.1	387.0	6974.2
15 CHEMICALS AND PRODUCTS	19149.7	5694.4	4288.5	239.5	63.7	6.6	20.9	2.9	197.9	3169.2
16 OTHER CHEMICAL PRODUCTS	7541.4	1267.1	1297.3	241.1	62.8	6.8	21.3	3.0	167.5	1230.3
17 PETROLEUM REFINING	3828.9	457.3	514.0	374.3	98.0	10.7	33.6	4.7	246.9	6097.9
18 RUBBER AND PLASTICS	60751.8	8385.1	17302.0	436.5	110.5	12.0	36.8	5.4	270.6	6948.3
19 LEATHER AND PRODUCTS	1971.1	498.2	3139.2	28.6	7.5	0.8	2.5	0.4	21.1	293.5
20 GLASS AND PRODUCTS	19504.2	2309.6	1400.8	240.8	63.1	6.5	20.7	3.1	157.9	1115.1
21 STONE AND CLAY PRODUCTS	15846.0	1443.8	1579.4	233.4	62.3	6.7	20.8	3.0	206.3	3191.4
22 PRIMARY IRON AND STEEL	205823.6	9402.3	9403.2	1423.2	369.5	39.8	126.7	18.3	936.5	7624.1
23 PRIMARY NONFERROUS METALS	66899.1	9208.5	8295.6	710.8	183.5	20.0	62.9	9.3	466.6	2201.8
24 HTNG,PLMG,AND STRL. METAL	12435.2	804.3	623.4	297.7	79.5	8.3	26.3	3.7	246.8	2795.0
25 OTHER FABRICATED METALS	177542.0	11661.2	8932.0	1626.8	419.1	44.3	144.6	20.8	1055.5	5464.8
26 ENGINES AND TURBINES	14876.5	214.3	124.7	185.8	48.0	5.4	16.6	2.5	120.5	979.5
27 MACHINERY AND EQUIPMENT	139303.7	7475.5	3506.3	1156.6	296.9	33.0	102.6	14.7	760.0	5608.0
28 OFFICE MACHINES	16710.1	837.0	797.9	95.8	12.2	1.3	4.1	0.6	37.1	642.7
29 OTHER ELECTRICAL EQPT.	123805.3	22800.5	6176.7	492.0	132.1	14.9	43.7	7.3	344.3	6142.2
30 SHIPBUILDING AND REPAIR	4170.0	150.1	86.7	3534.4	907.3	99.1	314.1	46.4	2215.0	182.1
31 OTHER TRANSPORT EQPT.	1614198.1	3123.8	1779.3	340.4	89.6	9.5	30.2	4.2	221.0	8492.4
32 INSTRUMENTS	27066.5	276948.7	1060.2	426.6	109.8	11.1	37.9	5.3	275.0	1517.6
33 MISCELLANEOUS MFG.	8407.3	2016.6	278896.3	177.1	45.9	4.8	15.9	2.2	117.3	1306.0
34 DEEPSEA FOREIGN	2060.0	272.0	403.9	29968.9	11.6	0.7	2.1	0.3	28.9	248.0
35 DEEPSEA DOMESTIC	903.6	85.8	105.2	83.3	11801.5	2.0	5.3	0.9	39.6	918.5
36 GREAT LAKES TRANS.	700.0	44.0	41.1	8.1	1.4	1284.0	0.5	0.1	4.1	49.3
37 RIVER AND CANAL TRANS.	1005.0	89.7	88.0	24.1	5.8	0.4	5456.9	0.2	21.6	293.3
38 LOCAL WATER TRANS.	498.8	54.2	75.6	2671.4	1917.1	0.5	715.3	1539.4	12.3	238.8
39 SERVICE TO WATER TRANS.	1142.7	129.7	178.4	9196.2	5233.9	103.9	306.7	9.0	80326.2	503.3
40 OTHER TRANS. AND STORAGE	131209.5	11388.8	13672.3	6097.1	1840.9	226.2	615.2	54.3	2990.5	114340.2
41 COMMUNICATIONS	26352.0	3904.2	3054.6	784.7	201.6	22.0	68.0	9.2	526.3	11905.6
42 UTILITIES	20650.4	2246.3	2268.6	386.6	109.2	10.5	33.5	4.6	491.2	5805.2
43 WHOLESALE/RETAIL	284143.3	38240.3	43038.1	4940.5	1283.2	133.3	427.0	56.6	3439.3	87822.0
44 FINANCE INS. AND R.E.	45036.6	6547.0	6552.7	1975.5	521.5	56.7	176.8	25.0	1474.1	25618.9
45 SERVICES	253411.9	33725.3	30795.6	5807.9	1533.6	163.3	516.1	73.2	4250.3	74971.9
46 GOVERNMENT ENTERPRISE	22851.1	2671.8	2944.7	1787.0	758.7	85.2	113.3	10.7	8711.8	31335.8
47 NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48 COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49 DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52 COLUMN SUM	3009682.7	499171.5	510141.4	81401.7	29860.3	2553.4	10001.9	2009.0	115211.3	1521867.5

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	1232.6	2251.1	32748.1	74013.5	27133.5	1074.1	0.0	0.0	-622.6	0.0
2	OTHER AGRICULTURAL PROD.	1665.0	7890.2	41854.8	108069.5	41850.0	6473.0	0.0	0.0	-619.3	0.0
3	FOREST AND FISH PRODUCTS	376.2	1041.4	14441.5	18119.0	7214.6	521.9	0.0	0.0	-98.8	0.0
4	IRON ORES MINING	41.2	149.9	589.6	851.3	910.3	32.6	0.0	0.0	-4.7	0.0
5	NONFERROUS ORES MINING	109.1	287.2	1208.9	1559.8	1709.5	67.7	0.0	0.0	-10.0	0.0
6	CRUDE OIL AND NATURAL GAS	729.1	27749.2	17419.9	13076.2	11501.4	915.0	0.0	0.0	-38.7	0.0
7	OTHER MINING	606.6	23096.2	10092.3	11391.2	10284.1	1867.6	0.0	0.0	-30.5	0.0
8	CONSTRUCTION	12283.0	40762.4	63561.0	221669.6	68146.7	13772.0	0.0	0.0	-138.9	0.0
9	ORDNANCE AND ACCESSORIES	57.2	73.0	1512.4	690.9	984.4	16.9	0.0	0.0	-16.0	0.0
10	FOOD PRODUCTS AND TOBACCO	1136.4	1799.6	31897.3	15686.2	23223.7	838.3	0.0	0.0	-762.1	0.0
11	TEXTILE AND APPAREL	1219.6	3191.5	36093.0	18497.1	39141.7	990.4	0.0	0.0	-162.3	0.0
12	LUMBER AND WOOD PRODUCTS	1604.7	4591.3	29216.3	27456.0	20448.0	1460.9	0.0	0.0	-91.1	0.0
13	PAPER AND PRODUCTS	2168.0	3204.0	71732.4	27072.8	72855.2	848.3	0.0	0.0	-441.6	0.0
14	PRINTING AND PUBLISHING	6094.4	4588.7	73919.5	61907.7	357569.8	1635.8	0.0	0.0	-950.5	0.0
15	CHEMICALS AND PRODUCTS	740.4	3446.2	19294.6	16675.8	25793.5	1161.5	0.0	0.0	-85.0	0.0
16	OTHER CHEMICAL PRODUCTS	488.7	885.8	10680.9	6979.8	27266.8	375.0	0.0	0.0	-36.8	0.0
17	PETROLEUM REFINING	440.7	1972.0	11083.9	7617.1	6871.1	435.6	0.0	0.0	-28.0	0.0
18	RUBBER AND PLASTICS	1535.3	3069.2	38363.9	17843.4	45247.6	931.4	0.0	0.0	-117.8	0.0
19	LEATHER AND PRODUCTS	206.7	213.8	5086.7	2171.8	12967.7	77.2	0.0	0.0	-42.9	0.0
20	GLASS AND PRODUCTS	276.3	451.1	8045.4	3448.1	8242.7	160.0	0.0	0.0	-33.5	0.0
21	STONE AND CLAY PRODUCTS	1279.6	4744.5	14639.7	22387.6	16738.4	1336.3	0.0	0.0	-28.1	0.0
22	PRIMARY IRON AND STEEL	1542.0	5426.5	21475.6	22640.7	33781.0	1180.1	0.0	0.0	-188.1	0.0
23	PRIMARY NONFERROUS METALS	969.2	2051.5	9552.4	10909.8	14052.4	536.0	0.0	0.0	-88.7	0.0
24	HTNG,PLMG,AND STRL. METAL	1199.6	4074.3	12507.3	22427.1	8185.1	1295.7	0.0	0.0	-33.4	0.0
25	OTHER FABRICATED METALS	1699.9	3890.3	29734.7	20362.6	68274.1	993.7	0.0	0.0	-193.8	0.0
26	ENGINES AND TURBINES	89.7	515.8	1598.2	1213.5	3264.8	130.9	0.0	0.0	-9.6	0.0
27	MACHINERY AND EQUIPMENT	1223.2	5031.6	28077.5	23933.5	44658.3	927.6	0.0	0.0	-115.8	0.0
28	OFFICE MACHINES	306.4	558.9	6547.8	9617.1	10830.9	185.2	0.0	0.0	-17.8	0.0
29	OTHER ELECTRICAL EQPT.	8018.7	5790.3	34588.4	29037.5	54683.0	973.0	0.0	0.0	-185.8	0.0
30	SHIPBUILDING AND REPAIR	32.8	215.2	648.6	686.9	601.2	77.1	0.0	0.0	-7.1	0.0
31	OTHER TRANSPORT EQPT.	683.5	1062.0	12839.2	9934.5	34119.4	381.5	0.0	0.0	-88.4	0.0
32	INSTRUMENTS	773.3	862.3	15535.5	8355.5	36068.6	266.2	0.0	0.0	-135.1	0.0
33	MISCELLANEOUS MFG.	868.8	840.8	18433.8	8280.1	40637.4	247.0	0.0	0.0	-241.8	0.0
34	DEEPSEA FOREIGN	55.0	523.3	1056.5	827.8	1012.1	284.8	0.0	0.0	-13.8	0.0
35	DEEPSEA DOMESTIC	77.6	463.1	1828.3	1904.8	1309.7	83.0	0.0	0.0	-5.7	0.0
36	GREAT LAKES TRANS.	12.6	143.7	184.5	196.2	239.5	16.4	0.0	0.0	-1.1	0.0
37	RIVER AND CANAL TRANS.	38.7	802.6	836.0	577.5	834.3	92.2	0.0	0.0	-4.1	0.0
38	LOCAL WATER TRANS.	24.4	247.2	579.7	489.7	457.9	52.5	0.0	0.0	-3.8	0.0
39	SERVICE TO WATER TRANS.	54.4	421.6	1195.1	1145.3	955.8	130.3	0.0	0.0	-7.1	0.0
40	OTHER TRANS. AND STORAGE	8036.1	41885.8	161574.7	130799.2	135450.7	16746.3	0.0	0.0	-3249.9	0.0
41	COMMUNICATIONS	444232.1	5289.0	85982.1	56825.5	159338.0	1290.1	0.0	0.0	-110.1	0.0
42	UTILITIES	2627.8	343475.9	53842.9	23091.1	42162.3	5260.8	0.0	0.0	-61.1	0.0
43	WHOLESALE/RETAIL	20312.6	38964.1	1245622.0	299882.2	417633.8	10938.1	0.0	0.0	-1570.7	0.0
44	FINANCE INS. AND R.E.	9341.8	17252.5	227477.8	2295246.4	161538.1	4128.4	0.0	0.0	-217.4	0.0
45	SERVICES	72330.4	45652.4	759465.9	558568.8	6385043.9	14536.3	0.0	0.0	-1883.0	0.0
46	GOVERNMENT ENTERPRISE	4441.2	150115.2	131539.0	101956.5	75928.7	154306.9	0.0	0.0	-152.3	0.0
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	613282.6	811013.7	14496206.0	4316794.1	8257161.6	250051.3	0.0	0.0	-12932.5	0.0

		51	52
1	LIVESTOCK AND PRODUCTS	0.0	1736992.7
2	OTHER AGRICULTURAL PROD.	0.0	2122782.3
3	FOREST AND FISH PRODUCTS	0.0	317990.4
4	IRON ORES MINING	0.0	25611.1
5	NONFERROUS ORES MINING	0.0	53801.0
6	CRUDE OIL AND NATURAL GAS	0.0	275822.5
7	OTHER MINING	0.0	25826.0
8	CONSTRUCTION	0.0	3985051.9
9	ORDNANCE AND ACCESSORIES	0.0	317137.9
10	FOOD PRODUCTS AND TOBACCO	0.0	1872826.6
11	TEXTILE AND APPAREL	0.0	2356024.7
12	LUMBER AND WOOD PRODUCTS	0.0	1052180.5
13	PAPER AND PRODUCTS	0.0	679118.2
14	PRINTING AND PUBLISHING	0.0	1047815.9
15	CHEMICALS AND PRODUCTS	0.0	469041.2
16	OTHER CHEMICAL PRODUCTS	0.0	314118.8
17	PETROLEUM REFINING	0.0	183198.9
18	RUBBER AND PLASTICS	0.0	721634.0
19	LEATHER AND PRODUCTS	0.0	351322.2
20	GLASS AND PRODUCTS	0.0	174228.2
21	STONE AND CLAY PRODUCTS	0.0	465742.1
22	PRIMARY IRON AND STEEL	0.0	917131.2
23	PRIMARY NONFERROUS METALS	0.0	405476.6
24	HTNG.PLMG.AND STRL. METAL	0.0	483195.8
25	OTHER FABRICATED METALS	0.0	879827.1
26	ENGINES AND TURBINES	0.0	104412.8
27	MACHINERY AND EQUIPMENT	0.0	1497577.3
28	OFFICE MACHINES	0.0	368121.9
29	OTHER ELECTRICAL EQPT.	0.0	1958449.6
30	SHIPBUILDING AND REPAIR	0.0	140080.5
31	OTHER TRANSPORT EQPT.	0.0	1809208.8
32	INSTRUMENTS	0.0	449997.7
33	MISCELLANEOUS MFG.	0.0	428354.1
34	DEEPSEA FOREIGN	0.0	53705.5
35	DEEPSEA DOMESTIC	0.0	33400.6
36	GREAT LAKES TRANS.	0.0	6506.0
37	RIVER AND CANAL TRANS.	0.0	20501.7
38	LOCAL WATER TRANS.	0.0	15500.9
39	SERVICE TO WATER TRANS.	0.0	113202.5
40	OTHER TRANS. AND STORAGE	0.0	2749696.3
41	COMMUNICATIONS	0.0	969586.6
42	UTILITIES	0.0	642520.6
43	WHOLESALE/RETAIL	0.0	16153130.0
44	FINANCE INS. AND R.E.	0.0	3225139.5
45	SERVICES	0.0	10099013.0
46	GOVERNMENT ENTERPRISE	0.0	852065.8
47	NONCOMPETITIVE IMPORTS	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0
52	COLUMN SUM	0.0	63156510.0

G-Series MarAd I-O Tables

TABLE G1, INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT, INDIRECT AND INDUCED/ (IN $ MILLION)

TABLE G2, INTERINDUSTRY EMPLOYMENT IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT, INDIRECT AND INDUCED

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	282.4	433.9	-23.3	4.1	10.7	21.1	56.7	7313.1	756.4	1859.9
2	OTHER AGRICULTURAL PROD.	92.2	3459.4	-33.7	3.4	9.0	17.8	47.5	6257.8	632.4	1239.9
3	FOREST AND FISH PRODUCTS	11.3	190.1	-156.2	0.6	1.5	2.9	7.7	1417.2	105.7	147.6
4	IRON ORES MINING	0.4	6.0	-0.2	87.0	1.3	0.8	2.7	446.6	62.0	10.1
5	NONFERROUS ORES MINING	0.3	6.0	-0.2	2.0	200.1	0.5	2.7	433.1	52.5	8.2
6	CRUDE OIL AND NATURAL GAS	8.2	151.6	-5.1	2.1	5.5	356.7	32.0	3900.3	333.7	170.2
7	OTHER MINING	2.5	54.5	-1.4	1.2	2.9	3.1	806.2	2433.5	125.9	57.0
8	CONSTRUCTION	11.9	182.1	-6.0	4.4	8.7	25.2	40.6	90002.5	458.6	241.4
9	ORDNANCE AND ACCESSORIES	0.4	5.9	-0.3	0.1	0.3	0.6	1.6	233.2	9463.5	9.1
10	FOOD PRODUCTS AND TOBACCO	83.1	699.7	-35.5	12.9	34.3	66.0	180.7	23324.9	2431.9	6943.2
11	TEXTILE AND APPAREL	21.1	327.3	-20.6	6.1	15.7	30.0	89.2	11384.5	1181.9	500.6
12	LUMBER AND WOOD PRODUCTS	5.7	95.0	-4.4	1.8	5.7	8.1	24.4	8712.6	388.9	149.1
13	PAPER AND PRODUCTS	11.0	148.0	-11.7	2.7	7.0	13.1	40.2	5527.6	599.2	448.2
14	PRINTING AND PUBLISHING	10.0	150.1	-6.4	3.0	7.3	14.3	38.5	5198.5	530.5	274.4
15	CHEMICALS AND PRODUCTS	16.5	443.8	-8.7	4.0	13.3	15.2	49.6	4680.3	701.0	327.7
16	OTHER CHEMICAL PRODUCTS	6.6	95.4	-4.2	1.8	4.6	9.0	24.0	4384.8	331.1	162.9
17	PETROLEUM REFINING	15.5	295.0	-9.6	3.5	9.3	16.2	56.8	7327.8	594.8	311.0
18	RUBBER AND PLASTICS	9.2	149.9	-6.1	3.2	7.4	12.1	40.7	5246.3	585.2	265.5
19	LEATHER AND PRODUCTS	2.6	37.6	-1.8	0.7	1.9	3.7	10.2	1317.3	136.8	58.6
20	GLASS AND PRODUCTS	1.7	19.2	-0.9	0.4	1.0	1.9	5.0	976.7	84.2	94.5
21	STONE AND CLAY PRODUCTS	2.0	33.1	-1.1	0.7	1.9	5.5	25.1	7405.7	117.1	44.0
22	PRIMARY IRON AND STEEL	6.4	99.8	-4.5	4.9	13.1	14.3	47.1	8533.4	1201.4	184.8
23	RIMARY NONFERROUS METALS	4.0	65.2	-2.7	1.8	4.3	7.0	20.7	6387.0	778.1	105.6
24	HTNG,PLMG,AND STRL. METAL	1.5	22.7	-0.8	0.6	1.2	4.1	6.3	8386.9	79.2	31.7
25	OTHER FABRICATED METALS	8.7	116.4	-6.9	2.5	7.1	11.9	37.0	6266.8	777.8	322.1
26	ENGINES AND TURBINES	0.5	8.0	-0.5	0.4	1.7	2.0	7.4	397.3	49.2	11.6
27	MACHINERY AND EQUIPMENT	5.5	109.0	-3.2	3.2	14.7	12.7	44.4	4005.9	617.3	135.4
28	OFFICE MACHINES	1.1	17.1	-0.7	0.3	0.9	1.8	4.4	1450.5	90.3	25.9
29	OTHER ELECTRICAL EQPT.	8.9	137.5	-5.9	2.8	7.4	18.2	38.6	7603.7	1141.6	284.8
30	SHIPBUILDING AND REPAIR	0.1	1.7	-0.1	0.2	0.3	0.2	0.5	84.1	7.2	2.6
31	OTHER TRANSPORT EQPT.	13.3	200.9	-9.8	4.3	10.8	19.7	54.4	7166.6	2273.5	311.3
32	INSTRUMENTS	2.2	34.1	-1.5	0.7	1.8	3.6	9.0	1565.1	312.3	54.9
33	MISCELLANEOUS MFG.	3.7	55.8	-2.7	1.1	2.9	5.5	15.0	2171.6	210.1	87.6
34	DEEPSEA FOREIGN	0.8	13.7	-1.4	4.6	6.9	3.1	4.2	432.7	46.2	23.1
35	DEEPSEA DOMESTIC	0.6	11.4	-0.4	0.1	0.4	0.7	2.2	290.7	25.1	13.4
36	GREAT LAKES TRANS.	0.1	1.4	-0.0	0.0	0.1	0.1	0.4	67.8	6.1	1.9
37	RIVER AND CANAL TRANS.	0.2	3.4	-0.1	0.1	0.2	0.3	0.8	133.0	13.0	7.9
38	LOCAL WATER TRANS.	0.1	1.8	-0.1	0.1	0.2	0.2	0.4	53.8	5.0	2.9
39	SERVICE TO WATER TRANS.	0.2	3.9	-0.2	0.4	0.6	0.4	0.9	110.0	10.4	5.3
40	OTHER TRANS. AND STORAGE	25.2	312.2	-13.6	6.2	15.4	26.6	75.7	11940.0	1072.3	613.4
41	COMMUNICATIONS	10.3	150.3	-6.2	2.9	7.3	13.9	37.9	5249.7	592.7	244.4
42	UTILITIES	18.0	279.0	-11.1	7.8	18.5	27.9	92.3	8967.5	952.8	440.0
43	WHOLESALE/RETAIL	84.8	1210.5	-51.3	20.8	55.9	104.7	291.5	43128.2	3987.7	1899.2
44	FINANCE INS. AND R.E.	88.8	1433.6	-56.9	29.4	66.3	171.5	343.7	40364.8	4039.2	1924.1
45	SERVICES	72.1	1126.6	-44.5	21.9	51.6	100.5	279.1	38254.2	3731.6	1781.0
46	GOVERNMENT ENTERPRISE	8.1	121.9	-5.1	2.8	6.8	12.1	34.2	4079.3	417.8	195.1
47	NONCOMPETITIVE IMPORTS	6.9	97.5	-5.7	2.2	5.4	9.5	25.8	3425.0	347.3	229.1
48	COMPETITIVE IMPORTS	11.3	176.9	-23.0	31.2	47.7	36.1	56.3	5001.2	601.0	298.6
49	DUMMY INDUSTRIES	7.4	110.9	-5.5	2.7	7.0	14.3	33.1	4683.4	566.4	195.7
50	MISCELLANEOUS INDUSTRIES	1.3	19.2	-0.9	0.4	1.0	1.9	5.3	671.7	69.7	29.6
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	986.9	12925.9	-602.9	302.3	707.1	1248.4	3150.8	418796.6	43695.6	22706.5

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	183.9	249.9	102.3	139.9	301.7	153.1	159.4	146.4	11.1	20.7
2	OTHER AGRICULTURAL PROD.	222.6	251.0	86.8	117.8	258.5	114.4	134.2	125.5	9.0	17.4
3	FOREST AND FISH PRODUCTS	37.2	217.0	19.1	19.8	43.4	17.7	21.7	20.7	1.4	3.1
4	IRON ORES MINING	3.7	11.9	3.2	3.6	21.7	4.5	5.3	5.3	0.2	0.5
5	NONFERROUS ORES MINING	3.5	7.4	2.8	3.4	30.3	4.5	4.6	5.6	0.2	0.6
6	CRUDE OIL AND NATURAL GAS	70.6	111.5	51.2	61.4	323.1	65.4	1538.9	84.6	3.8	10.0
7	OTHER MINING	24.2	37.8	20.4	21.0	214.2	29.8	35.5	40.4	1.3	7.4
8	CONSTRUCTION	96.4	153.2	70.8	92.2	228.2	81.6	188.1	98.3	5.2	14.8
9	ORDNANCE AND ACCESSORIES	4.3	9.7	2.9	4.3	10.6	3.5	4.5	4.5	0.2	0.6
10	FOOD PRODUCTS AND TOBACCO	498.8	745.7	328.0	447.0	969.8	427.8	503.2	466.7	35.1	66.5
11	TEXTILE AND APPAREL	3475.6	509.4	181.4	224.7	442.6	180.9	229.0	355.2	27.2	31.8
12	LUMBER AND WOOD PRODUCTS	60.9	3919.9	152.7	75.4	129.0	49.8	63.3	65.8	4.8	14.1
13	PAPER AND PRODUCTS	142.8	212.0	1778.9	453.7	295.3	154.0	125.5	185.6	9.5	35.1
14	PRINTING AND PUBLISHING	105.1	158.6	83.3	1944.7	205.3	102.2	113.0	101.8	6.0	14.3
15	CHEMICALS AND PRODUCTS	175.6	193.1	133.7	130.7	5012.6	353.5	184.0	495.8	9.0	21.0
16	OTHER CHEMICAL PRODUCTS	69.9	132.0	46.4	61.0	208.1	1617.6	80.7	81.3	4.9	10.6
17	PETROLEUM REFINING	125.3	200.8	90.7	109.2	622.8	120.5	3002.7	153.4	6.8	16.6
18	RUBBER AND PLASTICS	326.5	233.5	109.8	101.5	358.6	168.3	101.5	2243.2	16.5	28.1
19	LEATHER AND PRODUCTS	35.9	43.5	17.9	25.1	52.0	21.5	28.0	29.4	127.8	3.7
20	GLASS AND PRODUCTS	19.2	35.8	9.6	12.4	29.9	32.4	14.6	17.8	0.9	275.2
21	STONE AND CLAY PRODUCTS	20.6	53.8	16.1	16.7	58.6	20.1	40.4	26.4	1.1	7.8
22	PRIMARY IRON AND STEEL	66.1	227.2	56.5	64.9	213.4	74.8	97.0	84.0	4.3	9.3
23	RIMARY NONFERROUS METALS	43.4	98.9	34.0	44.8	193.0	49.8	59.3	57.9	2.6	8.8
24	HTNG,PLMG,AND STRL. METAL	13.0	26.5	9.5	12.1	30.9	11.1	26.2	14.3	0.7	2.0
25	OTHER FABRICATED METALS	81.9	253.4	74.5	90.9	225.6	129.5	98.7	107.1	6.7	18.8
26	ENGINES AND TURBINES	5.0	8.6	3.6	4.5	13.1	4.3	10.6	5.3	0.3	0.7
27	MACHINERY AND EQUIPMENT	60.4	103.6	46.4	66.7	187.0	47.8	85.4	74.1	3.4	7.8
28	OFFICE MACHINES	11.7	22.0	8.0	10.8	23.9	10.0	13.6	11.4	0.7	1.6
29	OTHER ELECTRICAL EQPT.	95.2	154.1	62.7	87.2	193.9	76.7	120.5	92.7	5.4	13.5
30	SHIPBUILDING AND REPAIR	1.1	2.7	0.9	0.9	3.0	0.9	3.3	1.4	0.1	0.2
31	OTHER TRANSPORT EQPT.	145.1	229.8	93.5	130.9	280.6	114.5	150.9	143.9	8.1	20.9
32	INSTRUMENTS	27.6	45.4	19.0	39.5	51.2	27.1	29.1	25.7	1.8	3.9
33	MISCELLANEOUS MFG.	67.6	70.4	28.1	40.5	81.6	35.1	41.8	49.8	3.4	6.0
34	DEEPSEA FOREIGN	11.0	37.9	8.1	6.7	25.6	7.2	24.6	10.1	0.5	1.8
35	DEEPSEA DOMESTIC	5.2	9.4	4.0	4.5	19.4	4.8	37.1	6.4	0.3	0.7
36	GREAT LAKES TRANS.	0.7	1.5	1.1	0.8	2.5	0.7	1.0	0.9	0.8	0.2
37	RIVER AND CANAL TRANS.	2.5	5.8	2.8	2.2	11.1	2.6	8.7	3.6	0.1	0.4
38	LOCAL WATER TRANS.	1.2	3.0	1.1	0.9	3.4	0.9	4.6	1.2	0.1	0.2
39	SERVICE TO WATER TRANS.	2.2	5.5	1.7	1.7	6.8	1.8	10.0	2.4	0.1	0.3
40	OTHER TRANS. AND STORAGE	220.7	370.0	186.4	202.7	497.2	184.7	313.3	226.0	12.3	33.2
41	COMMUNICATIONS	109.5	164.2	70.4	112.6	207.7	91.9	110.0	103.9	6.1	14.4
42	UTILITIES	203.1	306.6	150.3	175.3	526.7	157.0	258.9	210.1	10.8	35.9
43	WHOLESALE/RETAIL	849.1	1276.6	533.2	724.8	1530.5	631.8	815.6	772.1	48.0	109.7
44	FINANCE INS. AND R.E.	864.1	1293.6	551.2	826.8	1717.0	695.4	1164.1	807.7	48.0	116.0
45	SERVICES	743.3	1132.2	488.0	716.3	1486.7	784.9	831.1	727.8	42.5	101.9
46	GOVERNMENT ENTERPRISE	89.6	132.4	60.2	99.0	193.4	70.6	103.7	85.0	5.0	13.0
47	NONCOMPETITIVE IMPORTS	76.5	110.5	45.8	63.4	144.2	59.8	76.8	84.6	4.3	9.6
48	COMPETITIVE IMPORTS	141.3	305.1	162.8	92.6	345.4	90.1	288.4	127.9	7.0	19.2
49	DUMMY INDUSTRIES	91.0	135.2	73.1	96.3	189.2	91.3	99.8	94.7	5.0	12.7
50	MISCELLANEOUS INDUSTRIES	14.2	21.4	9.0	12.8	26.4	10.7	14.4	13.1	0.8	1.9
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	9745.9	14040.9	6102.0	7788.4	18246.8	7151.2	11477.1	8697.5	510.6	1148.6

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	27.8	104.4	79.0	130.1	152.2	228.7	1746.2	611.5	1432.8	191.3
2	OTHER AGRICULTURAL PROD.	23.4	87.1	65.8	108.6	127.2	190.0	1456.2	510.4	1197.7	159.6
3	FOREST AND FISH PRODUCTS	3.8	14.2	11.0	18.0	21.0	30.2	236.1	83.8	201.4	26.7
4	IRON ORES MINING	1.5	85.3	4.9	29.4	32.2	19.7	226.8	45.1	92.3	20.1
5	NONFERROUS ORES MINING	1.3	11.9	97.0	16.3	17.1	15.3	125.1	47.9	124.5	14.8
6	CRUDE OIL AND NATURAL GAS	15.2	50.9	37.4	58.8	69.1	95.5	782.2	260.3	623.1	82.3
7	OTHER MINING	38.5	57.5	14.4	31.0	36.6	35.6	329.7	96.4	229.8	32.4
8	CONSTRUCTION	21.1	79.1	53.1	86.8	99.6	131.7	1100.9	383.3	893.6	118.9
9	ORDNANCE AND ACCESSORIES	0.8	3.3	2.5	6.0	6.4	19.8	81.8	28.8	133.8	18.0
10	FOOD PRODUCTS AND TOBACCO	89.0	336.3	255.2	417.8	489.1	736.3	5606.7	1961.4	4597.9	615.1
11	TEXTILE AND APPAREL	46.2	151.8	113.9	192.0	230.8	338.5	2610.4	912.9	2180.5	286.0
12	LUMBER AND WOOD PRODUCTS	12.6	44.1	37.6	63.6	73.5	85.8	740.7	278.0	762.3	99.0
13	PAPER AND PRODUCTS	30.4	71.0	58.3	101.8	136.8	151.5	1210.6	515.8	1266.6	125.8
14	PRINTING AND PUBLISHING	19.2	75.5	60.1	93.1	119.0	151.1	1216.5	508.9	1028.9	129.4
15	CHEMICALS AND PRODUCTS	25.9	81.5	65.1	83.6	113.6	120.9	1047.0	390.7	1056.9	104.8
16	OTHER CHEMICAL PRODUCTS	12.4	44.8	33.5	70.4	80.4	97.7	774.2	285.4	665.4	86.1
17	PETROLEUM REFINING	26.3	86.4	63.1	102.7	120.6	170.3	1389.7	460.9	1100.0	145.1
18	RUBBER AND PLASTICS	24.0	62.0	63.8	82.2	116.6	134.4	1314.6	492.7	1353.8	114.7
19	LEATHER AND PRODUCTS	5.1	18.7	14.2	23.3	27.9	41.8	319.9	110.8	263.4	34.6
20	GLASS AND PRODUCTS	2.6	9.6	7.3	20.0	16.0	21.7	170.6	74.4	333.9	22.9
21	STONE AND CLAY PRODUCTS	391.3	21.3	13.6	25.1	28.9	46.2	433.4	131.7	317.0	41.4
22	PRIMARY IRON AND STEEL	20.9	1706.4	82.7	583.9	636.2	386.6	4477.1	877.1	1770.1	395.7
23	RIMARY NONFERROUS METALS	10.4	103.4	1657.7	260.6	248.7	230.5	1804.7	733.9	1891.7	222.4
24	HTNG,PLMG,AND STRL. METAL	3.2	14.5	8.2	1619.7	24.6	28.1	388.3	165.7	168.4	144.1
25	OTHER FABRICATED METALS	19.1	91.4	62.0	167.5	2054.1	191.3	1883.2	723.2	1556.3	183.2
26	ENGINES AND TURBINES	1.7	5.5	4.4	10.7	9.1	1749.3	454.1	36.2	115.9	128.4
27	MACHINERY AND EQUIPMENT	18.6	96.7	64.7	130.5	143.8	336.3	25171.7	552.7	960.1	388.3
28	OFFICE MACHINES	2.4	8.9	6.6	35.3	18.1	19.8	217.6	8248.3	291.4	28.2
29	OTHER ELECTRICAL EQPT.	19.5	89.2	75.3	127.6	121.5	251.2	2096.0	2215.4	22215.7	177.4
30	SHIPBUILDING AND REPAIR	0.3	1.4	1.0	7.3	1.8	7.9	29.1	5.2	11.3	2141.9
31	OTHER TRANSPORT EQPT.	26.8	109.6	78.4	147.6	183.4	384.0	2117.5	773.6	1733.7	232.4
32	INSTRUMENTS	4.7	20.6	14.3	82.8	31.6	42.1	384.2	190.2	431.7	44.1
33	MISCELLANEOUS MFG.	8.9	28.9	23.3	35.9	44.8	60.2	483.9	187.3	424.8	51.0
34	DEEPSEA FOREIGN	1.9	14.6	15.9	10.7	13.1	13.3	123.3	38.1	95.1	11.4
35	DEEPSEA DOMESTIC	1.1	4.2	2.7	4.6	5.3	7.1	58.3	19.2	45.9	6.1
36	GREAT LAKES TRANS.	0.9	5.9	0.6	2.4	2.6	1.9	19.8	4.7	18.6	1.8
37	RIVER AND CANAL TRANS.	0.8	4.9	1.9	3.1	3.6	3.6	31.8	9.5	22.8	3.3
38	LOCAL WATER TRANS.	0.2	1.2	0.8	1.0	1.2	1.4	12.2	3.9	9.5	1.2
39	SERVICE TO WATER TRANS.	0.5	2.5	2.0	2.1	2.5	3.0	25.7	8.2	19.9	2.6
40	OTHER TRANS. AND STORAGE	57.5	204.6	150.6	216.7	242.6	296.1	2503.6	868.9	1990.9	272.2
41	COMMUNICATIONS	20.3	72.8	53.4	96.5	108.1	154.3	1278.2	457.5	1081.8	137.6
42	UTILITIES	48.4	174.0	130.6	182.6	214.6	274.2	2276.5	761.5	1847.8	246.1
43	WHOLESALE/RETAIL	146.6	553.4	429.7	704.4	799.8	1187.8	9398.1	3347.2	7683.1	1019.6
44	FINANCE INS. AND R.E.	159.7	563.6	423.4	721.2	833.5	1210.2	9728.6	3493.5	7939.7	1029.6
45	SERVICES	137.9	515.9	372.4	642.5	742.3	1056.7	8498.4	3023.8	7144.4	906.0
46	GOVERNMENT ENTERPRISE	18.1	65.1	48.7	75.6	87.6	119.7	977.9	340.6	803.2	105.3
47	NONCOMPETITIVE IMPORTS	13.0	48.7	40.6	59.7	70.3	106.9	813.4	280.1	694.0	87.6
48	COMPETITIVE IMPORTS	23.4	169.1	225.9	132.8	171.3	187.5	1955.0	591.6	1516.8	140.2
49	DUMMY INDUSTRIES	16.7	102.4	111.7	110.3	116.2	142.4	1267.0	509.4	1039.6	129.1
50	MISCELLANEOUS INDUSTRIES	2.6	9.4	6.9	11.9	14.0	21.4	161.0	55.7	132.0	17.8
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	1604.2	6285.2	5247.0	7878.4	9060.8	11357.4	101563.6	36712.9	83503.4	10635.2

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	2497.5	371.0	99.5	65.3	7.6	1.9	5.4	0.3	91.6	525.7
2	OTHER AGRICULTURAL PROD.	2104.0	315.0	86.2	55.5	6.4	1.6	4.6	0.2	80.3	447.5
3	FOREST AND FISH PRODUCTS	353.3	51.1	15.7	8.8	1.0	0.3	0.7	0.0	12.4	78.4
4	IRON ORES MINING	273.3	18.9	5.4	3.2	0.3	0.1	0.2	0.0	3.2	14.1
5	NONFERROUS ORES MINING	184.0	28.9	7.5	2.9	0.3	0.1	0.2	0.0	2.9	11.0
6	CRUDE OIL AND NATURAL GAS	1105.7	160.5	44.4	44.6	4.6	1.1	3.2	0.1	50.4	348.0
7	OTHER MINING	447.0	58.0	16.7	9.9	1.1	0.3	0.7	0.0	13.5	66.2
8	CONSTRUCTION	1587.9	230.8	61.9	57.7	6.1	1.5	4.1	0.2	79.3	518.9
9	ORDNANCE AND ACCESSORIES	356.8	23.0	3.8	2.2	0.2	0.1	0.2	0.0	2.8	14.9
10	FOOD PRODUCTS AND TOBACCO	7998.8	1189.3	317.1	208.0	24.2	6.2	17.4	0.9	292.6	1681.5
11	TEXTILE AND APPAREL	4536.4	633.9	214.4	114.1	12.6	3.2	9.0	0.4	146.6	777.0
12	LUMBER AND WOOD PRODUCTS	1314.1	165.7	74.0	25.3	2.8	0.7	2.0	0.1	34.0	194.5
13	PAPER AND PRODUCTS	1856.0	389.9	152.0	45.8	5.0	1.3	3.6	0.2	58.4	338.4
14	PRINTING AND PUBLISHING	1784.0	264.9	75.7	46.4	5.2	1.3	3.7	0.2	61.3	357.9
15	CHEMICALS AND PRODUCTS	1655.9	362.1	88.3	37.0	4.1	1.0	2.9	0.1	48.2	278.6
16	OTHER CHEMICAL PRODUCTS	1200.9	188.0	51.9	34.9	3.8	0.9	2.7	0.1	43.6	224.6
17	PETROLEUM REFINING	1959.0	285.2	79.2	87.2	8.8	2.2	6.1	0.3	94.2	671.7
18	RUBBER AND PLASTICS	2361.9	361.5	164.6	81.0	4.5	1.1	3.2	0.2	51.0	323.5
19	LEATHER AND PRODUCTS	453.5	69.7	27.6	11.7	1.4	0.3	1.0	0.0	16.4	92.8
20	GLASS AND PRODUCTS	471.9	66.4	14.6	9.5	1.0	0.2	0.7	0.0	10.7	58.7
21	STONE AND CLAY PRODUCTS	458.9	57.3	16.9	10.2	1.1	0.3	0.7	0.0	12.8	74.0
22	PRIMARY IRON AND STEEL	5371.2	357.1	103.9	61.4	5.9	1.4	4.1	0.2	60.7	265.6
23	RIMARY NONFERROUS METALS	2717.4	424.0	115.3	43.4	4.1	1.0	2.8	0.1	41.9	148.4
24	HTNG,PLMG,AND STRL. METAL	365.0	38.7	9.8	10.5	1.0	0.2	0.7	0.0	12.0	60.3
25	OTHER FABRICATED METALS	4248.9	391.4	95.7	64.2	6.2	1.5	4.4	0.2	65.7	265.5
26	ENGINES AND TURBINES	415.8	15.5	3.6	7.3	0.7	0.2	0.5	0.0	6.7	27.2
27	MACHINERY AND EQUIPMENT	2919.8	228.1	42.6	39.8	3.8	0.9	2.7	0.1	40.1	173.3
28	OFFICE MACHINES	512.2	44.2	12.2	5.5	0.6	0.2	0.4	0.0	7.2	42.1
29	OTHER ELECTRICAL EQPT.	3339.3	617.3	88.1	86.1	5.1	1.3	3.6	0.2	59.5	347.5
30	SHIPBUILDING AND REPAIR	60.1	3.7	0.8	53.8	4.5	1.0	3.1	0.1	39.5	3.7
31	OTHER TRANSPORT EQPT.	42958.1	421.6	103.2	69.4	7.8	2.0	5.6	0.3	91.4	595.9
32	INSTRUMENTS	768.1	5028.1	19.2	17.6	1.8	0.4	1.2	0.1	19.2	86.1
33	MISCELLANEOUS MFG.	716.3	120.8	1387.3	18.8	2.1	0.5	1.5	0.1	24.6	136.3
34	DEEPSEA FOREIGN	164.0	24.5	8.7	1476.8	0.4	0.1	0.3	0.0	4.8	23.6
35	DEEPSEA DOMESTIC	83.8	11.7	3.3	3.4	105.5	0.1	0.2	0.0	3.7	25.1
36	GREAT LAKES TRANS.	25.9	2.5	0.7	0.5	0.0	30.0	0.0	0.0	0.4	2.4
37	RIVER AND CANAL TRANS.	45.0	5.8	1.6	1.3	0.1	0.0	84.4	0.0	1.6	8.7
38	LOCAL WATER TRANS.	17.2	2.4	0.7	37.3	8.6	0.0	6.4	3.4	0.6	4.0
39	SERVICE TO WATER TRANS.	35.7	5.1	1.6	117.4	21.6	0.9	2.5	0.0	1191.2	8.1
40	OTHER TRANS. AND STORAGE	3874.6	501.4	146.7	148.1	15.7	4.1	10.8	0.4	138.8	7689.0
41	COMMUNICATIONS	1829.9	278.8	71.9	52.1	5.7	1.4	4.0	0.2	65.0	405.2
42	UTILITIES	3246.3	461.5	126.1	83.0	9.3	2.3	6.5	0.3	119.2	645.9
43	WHOLESALE/RETAIL	13328.1	1979.5	545.5	340.1	38.6	9.8	27.6	1.4	458.6	2742.7
44	FINANCE INS. AND R.E.	13642.7	2041.0	549.3	399.1	44.7	11.3	31.8	1.5	522.6	3037.5
45	SERVICES	12621.8	1875.0	500.6	336.9	37.3	9.4	26.5	1.3	438.7	2558.7
46	GOVERNMENT ENTERPRISE	1416.1	204.9	57.0	59.2	7.6	1.3	3.7	0.2	212.7	473.5
47	NONCOMPETITIVE IMPORTS	1192.3	169.9	72.0	149.0	13.4	3.2	9.3	0.4	131.2	295.7
48	COMPETITIVE IMPORTS	2425.2	402.7	152.2	588.1	4.2	3.2	2.9	0.1	46.6	278.6
49	DUMMY INDUSTRIES	1844.7	270.2	69.0	41.5	4.3	1.1	3.1	0.1	48.9	284.2
50	MISCELLANEOUS INDUSTRIES	229.2	33.8	8.9	6.0	0.7	0.2	0.5	0.0	8.5	48.1
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	155375.9	21252.4	5914.9	5198.7	463.2	114.9	323.3	14.2	5067.9	27756.8

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	162.0	136.9	871.9	308.5	912.6	81.2	0.0	0.0	-204.4	8089.0
2	OTHER AGRICULTURAL PROD.	135.1	122.6	729.7	270.7	776.4	88.7	0.0	0.0	-162.0	6695.5
3	FOREST AND FISH PRODUCTS	21.4	18.9	125.0	43.6	122.9	12.0	0.0	0.0	-26.5	1041.0
4	IRON ORES MINING	3.4	3.6	18.4	6.4	23.0	2.0	0.0	0.0	-4.8	144.3
5	NONFERROUS ORES MINING	3.2	3.2	16.3	6.0	20.0	1.8	0.0	0.0	-4.5	126.9
6	CRUDE OIL AND NATURAL GAS	67.3	240.2	393.9	124.1	396.0	43.1	0.0	0.0	-57.3	3008.3
7	OTHER MINING	18.3	86.4	101.5	36.0	113.4	21.4	0.0	0.0	-16.8	764.6
8	CONSTRUCTION	147.7	197.7	553.7	361.0	637.5	144.2	0.0	0.0	-83.0	3935.4
9	ORDNANCE AND ACCESSORIES	4.5	3.7	26.1	7.6	26.4	2.1	0.0	0.0	-7.7	210.7
10	FOOD PRODUCTS AND TOBACCO	519.8	437.0	2791.6	854.5	2899.9	256.6	0.0	0.0	-699.1	26078.3
11	TEXTILE AND APPAREL	234.5	200.3	1259.5	386.4	1341.3	116.0	0.0	0.0	-177.3	11706.1
12	LUMBER AND WOOD PRODUCTS	59.3	55.4	326.7	107.3	334.4	33.9	0.0	0.0	-50.8	2676.4
13	PAPER AND PRODUCTS	103.9	87.1	683.3	179.3	783.1	50.7	0.0	0.0	-196.1	4508.2
14	PRINTING AND PUBLISHING	123.6	91.8	640.8	207.5	1466.4	56.0	0.0	0.0	-250.6	4879.7
15	CHEMICALS AND PRODUCTS	77.1	79.3	448.4	145.6	534.3	50.4	0.0	0.0	-83.8	3544.5
16	OTHER CHEMICAL PRODUCTS	68.6	58.6	378.7	116.6	512.6	36.0	0.0	0.0	-57.2	3254.4
17	PETROLEUM REFINING	119.4	124.7	700.2	216.2	696.6	69.7	0.0	0.0	-106.1	5395.8
18	RUBBER AND PLASTICS	86.8	75.9	508.2	146.1	589.1	45.3	0.0	0.0	-83.1	3922.0
19	LEATHER AND PRODUCTS	29.3	24.4	155.8	47.6	179.7	14.1	0.0	0.0	-24.4	1469.5
20	GLASS AND PRODUCTS	14.4	12.2	84.4	24.2	93.3	7.3	0.0	0.0	-15.2	670.2
21	STONE AND CLAY PRODUCTS	21.1	26.2	107.3	45.1	127.7	16.4	0.0	0.0	-15.5	737.3
22	PRIMARY IRON AND STEEL	64.2	67.5	341.9	116.9	430.6	37.4	0.0	0.0	-92.3	2687.2
23	RIMARY NONFERROUS METALS	44.3	41.2	219.0	76.9	271.1	24.2	0.0	0.0	-64.4	1706.6
24	HTNG,PLMG,AND STRL. METAL	17.3	22.1	84.7	40.8	83.1	15.1	0.0	0.0	-14.8	534.9
25	OTHER FABRICATED METALS	75.7	68.4	417.5	129.0	597.8	39.7	0.0	0.0	-93.9	3335.3
26	ENGINES AND TURBINES	5.0	6.0	28.0	8.8	38.5	3.5	0.0	0.0	-6.1	221.8
27	MACHINERY AND EQUIPMENT	44.1	47.8	262.1	85.9	348.7	25.1	0.0	0.0	-52.5	1901.3
28	OFFICE MACHINES	13.0	11.3	76.0	30.3	102.6	7.0	0.0	0.0	-12.1	552.5
29	OTHER ELECTRICAL EQPT.	135.2	94.4	554.3	177.1	663.6	51.0	0.0	0.0	-101.2	4690.9
30	SHIPBUILDING AND REPAIR	0.9	1.1	5.1	1.8	5.6	0.8	0.0	0.0	-1.6	48.3
31	OTHER TRANSPORT EQPT.	153.5	129.0	814.7	255.0	968.8	75.4	0.0	0.0	-127.2	7591.4
32	INSTRUMENTS	26.8	21.6	153.5	45.1	233.6	12.8	0.0	0.0	-45.6	1164.7
33	MISCELLANEOUS MFG.	43.6	35.3	242.7	71.2	325.3	20.5	0.0	0.0	-75.0	2024.4
34	DEEPSEA FOREIGN	6.4	8.7	35.2	11.2	38.0	7.8	0.0	0.0	-9.0	294.0
35	DEEPSEA DOMESTIC	4.9	5.5	27.3	9.5	28.7	2.9	0.0	0.0	-4.5	220.5
36	GREAT LAKES TRANS.	0.6	1.2	3.4	1.1	4.0	0.4	0.0	0.0	-0.7	26.9
37	RIVER AND CANAL TRANS.	2.0	4.4	11.3	3.4	12.4	1.6	0.0	0.0	-2.1	89.9
38	LOCAL WATER TRANS.	0.9	1.2	4.9	1.6	5.2	0.6	0.0	0.0	-0.9	40.6
39	SERVICE TO WATER TRANS.	1.8	2.2	10.0	3.3	10.6	1.4	0.0	0.0	-1.9	83.8
40	OTHER TRANS. AND STORAGE	190.8	223.5	1092.7	350.8	1157.8	151.7	0.0	0.0	-620.3	8266.0
41	COMMUNICATIONS	2404.0	94.8	680.2	207.4	978.8	54.4	0.0	0.0	-84.6	4862.8
42	UTILITIES	196.9	2660.2	1142.5	321.1	1191.4	170.3	0.0	0.0	-137.6	8374.1
43	WHOLESALE/RETAIL	800.7	683.1	15755.3	1347.9	4625.7	396.0	0.0	0.0	-632.8	38846.7
44	FINANCE INS. AND R.E.	906.2	781.7	5245.2	6827.7	5365.6	447.3	0.0	0.0	-615.1	41270.5
45	SERVICES	911.3	648.5	4556.4	1429.0	15613.3	387.3	0.0	0.0	-693.7	34512.5
46	GOVERNMENT ENTERPRISE	93.6	447.8	635.4	204.6	593.1	981.0	0.0	0.0	-76.3	3778.7
47	NONCOMPETITIVE IMPORTS	86.2	69.5	388.1	122.3	410.3	54.7	-13695.4	0.0	-58.2	3656.0
48	COMPETITIVE IMPORTS	71.2	88.7	393.2	123.6	446.2	39.6	0.0	-22570.3	-178.1	4813.7
49	DUMMY INDUSTRIES	105.0	76.5	557.0	166.5	651.4	41.9	0.0	0.0	-1506.1	3196.7
50	MISCELLANEOUS INDUSTRIES	15.1	12.6	76.4	24.4	81.7	7.2	0.0	0.0	-9.6	90756.9
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	8441.8	8442.2	44736.8	15034.4	47869.9	4217.5	-13695.4	-22570.3	-7644.6	362481.6

		51	52
1	LIVESTOCK AND PRODUCTS	0.0	30891.0
2	OTHER AGRICULTURAL PROD.	0.0	28746.9
3	FOREST AND FISH PRODUCTS	0.0	4647.9
4	IRON ORES MINING	0.0	1748.9
5	NONFERROUS ORES MINING	0.0	1650.0
6	CRUDE OIL AND NATURAL GAS	0.0	15128.2
7	OTHER MINING	0.0	6565.5
8	CONSTRUCTION	0.0	103409.0
9	ORDNANCE AND ACCESSORIES	0.0	10738.5
10	FOOD PRODUCTS AND TOBACCO	0.0	98209.4
11	TEXTILE AND APPAREL	0.0	47851.1
12	LUMBER AND WOOD PRODUCTS	0.0	21475.6
13	PAPER AND PRODUCTS	0.0	22906.1
14	PRINTING AND PUBLISHING	0.0	22271.6
15	CHEMICALS AND PRODUCTS	0.0	23295.5
16	OTHER CHEMICAL PRODUCTS	0.0	15598.3
17	PETROLEUM REFINING	0.0	27148.5
18	RUBBER AND PLASTICS	0.0	22354.3
19	LEATHER AND PRODUCTS	0.0	5382.4
20	GLASS AND PRODUCTS	0.0	3826.8
21	STONE AND CLAY PRODUCTS	0.0	11043.2
22	PRIMARY IRON AND STEEL	0.0	31819.8
23	RIMARY NONFERROUS METALS	0.0	20924.7
24	HTNG,PLMG,AND STRL. METAL	0.0	12526.0
25	OTHER FABRICATED METALS	0.0	25266.9
26	ENGINES AND TURBINES	0.0	3831.8
27	MACHINERY AND EQUIPMENT	0.0	39505.0
28	OFFICE MACHINES	0.0	11979.1
29	OTHER ELECTRICAL EQPT.	0.0	48221.6
30	SHIPBUILDING AND REPAIR	0.0	2542.7
31	OTHER TRANSPORT EQPT.	0.0	71266.1
32	INSTRUMENTS	0.0	11003.4
33	MISCELLANEOUS MFG.	0.0	9419.3
34	DEEPSEA FOREIGN	0.0	3100.2
35	DEEPSEA DOMESTIC	0.0	1122.1
36	GREAT LAKES TRANS.	0.0	237.5
37	RIVER AND CANAL TRANS.	0.0	555.4
38	LOCAL WATER TRANS.	0.0	248.7
39	SERVICE TO WATER TRANS.	0.0	1729.1
40	OTHER TRANS. AND STORAGE	0.0	46476.3
41	COMMUNICATIONS	0.0	22664.6
42	UTILITIES	0.0	37603.2
43	WHOLESALE/RETAIL	0.0	164587.3
44	FINANCE INS. AND R.E.	0.0	162301.8
45	SERVICES	0.0	151239.9
46	GOVERNMENT ENTERPRISE	0.0	17460.8
47	NONCOMPETITIVE IMPORTS	0.0	102.2
48	COMPETITIVE IMPORTS	0.0	62.5
49	DUMMY INDUSTRIES	0.0	15904.7
50	MISCELLANEOUS INDUSTRIES	0.0	92659.1
51	INVENTORY VALUE ADJ.	-1843.0	-1843.0
52	COLUMN SUM	-1843.0	1529407.2

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	16009.4	24601.5	-1323.8	231.6	609.3	1195.9	3211.9	414615.5	42884.2	105447.1
2	OTHER AGRICULTURAL PROD.	6858.4	257335.4	-2506.5	256.6	670.8	1320.4	3536.2	465502.9	47439.1	92229.8
3	FOREST AND FISH PRODUCTS	777.0	13094.6	-10760.6	39.0	104.4	197.2	531.7	97644.4	7282.5	10172.4
4	IRON ORES MINING	5.3	88.7	-3.7	1277.8	18.4	11.2	39.6	6556.8	909.6	147.9
5	NONFERROUS ORES MINING	10.8	194.6	-7.0	66.8	6539.1	17.4	86.9	14156.3	1715.4	269.2
6	CRUDE OIL AND NATURAL GAS	150.6	2781.5	-92.9	39.0	100.4	6545.6	587.0	71568.2	6123.3	3123.1
7	OTHER MINING	98.9	2151.5	-54.6	48.6	116.1	122.3	31828.1	96079.1	4971.8	2251.3
8	CONSTRUCTION	460.4	7026.1	-230.8	168.5	335.4	973.0	1566.8	3472694.0	17696.4	9313.4
9	ORDNANCE AND ACCESSORIES	11.4	175.4	-8.0	3.6	9.7	18.0	48.2	6892.7	279655.6	269.0
10	FOOD PRODUCTS AND TOBACCO	1597.8	13455.2	-682.8	247.9	659.2	1209.9	3475.0	448530.5	46764.2	133515.4
11	TEXTILE AND APPAREL	1048.5	16239.1	-1021.9	304.2	780.3	1486.9	4428.2	564872.2	58643.1	24839.9
12	LUMBER AND WOOD PRODUCTS	282.8	4672.2	-217.9	89.4	279.5	398.7	1200.0	428542.9	19126.8	7332.2
13	PAPER AND PRODUCTS	329.0	4414.3	-348.3	79.9	208.4	592.3	1198.0	164900.7	17875.8	13370.3
14	PRINTING AND PUBLISHING	473.4	7110.9	-302.9	140.3	345.6	677.7	1822.6	246269.8	25131.2	13000.2
15	CHEMICALS AND PRODUCTS	334.4	8977.7	-176.9	81.7	269.7	506.5	1002.5	94687.7	14181.3	6632.5
16	OTHER CHEMICAL PRODUCTS	134.5	1932.8	-84.7	36.2	94.1	182.0	487.0	88878.9	6711.7	3301.1
17	PETROLEUM REFINING	105.4	2003.5	-65.0	23.8	63.1	114.1	385.6	49766.8	4039.4	2112.1
18	RUBBER AND PLASTICS	300.2	4865.8	-198.6	102.7	239.4	393.4	1320.7	170298.0	18997.1	8618.8
19	LEATHER AND PRODUCTS	169.6	2473.1	-117.0	47.7	126.2	242.3	669.9	86727.5	9008.5	3859.3
20	GLASS AND PRODUCTS	78.7	878.6	-41.3	17.2	44.3	86.0	227.3	44712.5	3854.5	4329.4
21	STONE AND CLAY PRODUCTS	83.6	1399.8	-48.3	29.8	81.7	231.8	1060.5	312992.3	4949.1	1861.1
22	PRIMARY IRON AND STEEL	186.3	2882.9	-131.3	142.0	379.1	413.6	1302.3	246589.9	34716.5	5341.5
23	RIMARY NONFERROUS METALS	78.5	1267.2	-52.8	34.6	84.0	135.3	402.9	124067.5	15115.6	2051.5
24	HTNG,PLMG,AND STRL, METAL	57.0	878.0	-31.2	21.3	47.6	157.0	243.1	323946.1	3058.2	1224.4
25	OTHER FABRICATED METALS	303.2	4069.0	-242.0	86.9	248.2	415.9	1295.0	219103.3	27192.3	11261.7
26	ENGINES AND TURBINES	13.3	217.9	-13.2	11.3	46.9	54.6	202.2	10842.3	1344.0	315.2
27	MACHINERY AND EQUIPMENT	207.0	4139.7	-122.2	122.2	557.9	481.8	1687.2	152080.3	23435.4	5148.6
28	OFFICE MACHINES	34.2	526.1	-22.2	10.8	26.9	56.4	136.8	44638.3	2780.5	797.9
29	OTHER ELECTRICAL EQPT.	362.1	5602.0	-242.4	115.0	302.5	740.7	1572.6	309761.4	46506.7	8343.2
30	SHIPBUILDING AND REPAIR	5.6	92.3	-5.3	10.3	17.1	12.2	25.2	4603.8	391.6	142.0
31	OTHER TRANSPORT EQPT.	338.9	5119.5	-250.5	109.3	275.1	501.0	1386.7	182581.7	57921.2	7932.8
32	INSTRUMENTS	91.7	1399.0	-62.0	29.1	75.3	148.4	371.1	64215.9	12814.4	2251.5
33	MISCELLANEOUS MFG.	168.3	2554.1	-123.3	50.6	132.9	249.6	687.2	99426.1	9617.9	4010.3
34	DEEPSEA FOREIGN	14.3	230.1	-23.2	76.7	117.0	52.4	70.3	7283.4	777.0	389.7
35	DEEPSEA DOMESTIC	18.8	343.3	-11.4	4.4	10.6	21.4	65.6	8733.7	753.9	401.1
36	GREAT LAKES TRANS.	2.4	35.3	-1.2	0.8	1.8	2.8	9.2	1658.8	148.3	45.7
37	RIVER AND CANAL TRANS.	7.6	116.6	-4.6	2.2	5.9	9.6	29.1	4565.0	446.8	272.7
38	LOCAL WATER TRANS.	6.4	108.4	-5.6	8.1	13.6	10.7	24.5	3220.5	302.0	175.8
39	SERVICE TO WATER TRANS.	14.6	251.5	-13.4	26.0	42.0	28.2	58.3	7171.5	679.7	346.1
40	OTHER TRANS. AND STORAGE	1506.6	18658.6	-811.1	372.3	918.9	1592.3	4521.3	713543.1	64079.5	36655.3
41	COMMUNICATIONS	441.9	6472.7	-267.9	123.8	315.9	597.3	1634.5	226110.9	25529.4	10527.9
42	UTILITIES	309.3	4801.3	-191.7	134.0	319.1	480.1	1588.8	154307.3	16395.3	7571.9
43	WHOLESALE/RETAIL	8381.9	119688.4	-5071.8	2064.6	5523.2	10354.4	28821.2	4264365.8	394293.8	187792.8
44	FINANCE INS. AND R.E.	1779.1	28715.0	-1140.6	588.0	1327.1	3435.1	6884.2	808524.2	80926.3	38541.1
45	SERVICES	4848.1	75772.5	-2990.4	1475.4	3468.2	6758.6	18774.6	2572854.6	250977.9	119786.9
46	GOVERNMENT ENTERPRISE	398.1	5990.3	-249.3	138.7	336.3	596.6	1662.6	200472.2	20532.5	9589.5
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	48895.1	665803.8	-30374.1	9086.6	20288.0	43485.2	132220.0	4181015.6	1728276.3	920894.6

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	10423.6	14168.7	5801.2	7931.5	17163.1	7546.4	9035.7	8298.2	629.6	1176.0
2	OTHER AGRICULTURAL PROD.	16501.8	18669.6	6457.2	8706.3	19232.3	8507.7	9980.0	9336.9	665.9	1296.1
3	FOREST AND FISH PRODUCTS	2564.4	14953.7	1318.1	1364.5	2992.3	1221.2	1493.2	1427.9	99.0	211.3
4	IRON ORES MINING	55.0	174.4	46.4	52.6	318.2	66.3	78.3	78.4	3.5	7.7
5	NONFERROUS ORES MINING	114.8	242.7	89.9	111.7	990.7	145.9	151.5	182.2	6.8	21.2
6	CRUDE OIL AND NATURAL GAS	1294.6	2045.3	940.0	1126.4	5929.4	1199.5	24568.0	1541.4	70.1	182.9
7	OTHER MINING	955.2	1491.2	1122.0	828.8	8456.9	1177.8	1403.3	1593.8	50.9	293.6
8	CONSTRUCTION	3719.9	5912.8	2733.2	3556.7	8803.3	3150.0	7258.6	3793.2	201.6	569.6
9	ORDNANCE AND ACCESSORIES	125.8	287.3	85.4	126.6	314.7	103.7	134.1	133.0	7.1	17.3
10	FOOD PRODUCTS AND TOBACCO	9591.9	14340.2	6308.1	8595.4	18649.9	8227.3	9676.2	8975.2	675.3	1277.8
11	TEXTILE AND APPAREL	172450.3	25274.8	9000.3	11151.1	21960.6	8974.7	11362.3	17624.5	1348.7	1578.1
12	LUMBER AND WOOD PRODUCTS	2997.2	192806.6	7513.3	3709.0	6344.3	2447.4	3114.1	3234.2	237.7	694.4
13	PAPER AND PRODUCTS	4259.3	6323.7	53069.2	13833.0	8809.5	4594.0	3745.2	5536.7	282.3	1047.2
14	PRINTING AND PUBLISHING	4977.1	7512.0	3946.1	92125.9	9726.8	4859.2	5351.4	4820.9	284.4	677.8
15	CHEMICALS AND PRODUCTS	3551.9	3906.2	2704.2	2643.3	101412.0	6746.6	3722.3	10030.6	181.5	424.1
16	OTHER CHEMICAL PRODUCTS	1416.0	2675.6	939.6	1237.4	4218.7	32788.1	1636.6	1647.5	99.5	215.5
17	PETROLEUM REFINING	851.2	1364.0	615.8	741.5	4229.9	818.2	20392.8	1041.7	46.2	112.8
18	RUBBER AND PLASTICS	10597.7	7579.3	3564.8	3294.5	11642.0	5463.5	3296.1	72815.3	536.0	651.9
19	LEATHER AND PRODUCTS	2364.3	2863.5	1180.3	1652.5	3422.7	1412.4	1844.6	1933.5	8411.1	245.6
20	GLASS AND PRODUCTS	876.9	1640.2	437.3	565.5	1370.5	1481.0	667.3	815.2	41.3	12599.3
21	STONE AND CLAY PRODUCTS	868.8	2275.2	682.0	707.6	2476.1	848.6	1705.9	1116.1	45.6	330.0
22	PRIMARY IRON AND STEEL	1911.2	6565.7	1633.8	1876.0	6166.0	2161.7	2802.1	2428.2	124.2	268.8
23	RIMARY NONFERROUS METALS	842.6	1921.2	660.0	870.0	3748.7	966.9	1152.5	1124.1	51.2	170.7
24	HTNG,PLMG,AND STRL. METAL	502.4	1021.9	367.7	467.4	1194.8	430.6	1013.6	552.0	27.9	77.5
25	OTHER FABRICATED METALS	2864.2	8858.9	2605.7	3177.9	7886.4	4529.4	3450.7	3746.0	233.7	377.8
26	ENGINES AND TURBINES	136.9	234.4	97.8	121.5	356.6	117.4	289.2	146.0	7.7	19.8
27	MACHINERY AND EQUIPMENT	2292.4	3931.9	1760.2	1774.0	7098.6	1814.2	3243.8	2814.6	130.1	297.5
28	OFFICE MACHINES	361.1	675.8	246.3	331.7	734.9	308.4	419.8	352.3	20.1	49.9
29	OTHER ELECTRICAL EQPT.	3879.0	6278.7	2555.3	3552.6	7898.3	3126.3	4910.9	3778.3	218.1	551.9
30	SHIPBUILDING AND REPAIR	61.2	146.4	47.4	48.1	166.2	49.5	179.2	74.8	3.2	9.0
31	OTHER TRANSPORT EQPT.	3697.9	5853.5	2382.2	3335.4	7148.0	2917.5	3843.5	3665.5	206.6	532.8
32	INSTRUMENTS	1131.6	1864.8	779.7	1621.4	2100.5	1113.4	1194.3	1054.5	71.9	159.3
33	MISCELLANEOUS MFG.	3096.4	3224.3	1285.8	1853.8	3734.8	1608.0	1914.3	2241.9	157.9	275.1
34	DEEPSEA FOREIGN	184.4	637.8	136.8	113.2	430.8	121.2	414.6	170.7	8.4	30.1
35	DEEPSEA DOMESTIC	157.1	282.4	120.6	134.8	582.7	144.5	1114.5	191.0	9.3	20.7
36	GREAT LAKES TRANS.	16.3	37.4	26.2	19.0	60.3	17.6	24.9	22.1	1.1	3.8
37	RIVER AND CANAL TRANS.	86.0	200.4	95.9	74.6	380.8	89.6	300.2	121.8	4.5	13.0
38	LOCAL WATER TRANS.	72.2	179.7	63.2	53.4	206.5	54.5	277.1	72.9	3.5	9.3
39	SERVICE TO WATER TRANS.	146.6	356.4	112.0	113.1	443.0	118.4	654.1	158.8	7.8	21.4
40	OTHER TRANS. AND STORAGE	13190.5	22114.3	11140.2	12111.7	29714.1	11040.4	18722.6	13507.5	735.1	1985.0
41	COMMUNICATIONS	4716.1	7073.4	3031.1	4849.8	8946.6	3960.2	4740.0	4477.0	264.5	628.9
42	UTILITIES	3494.8	5275.1	2586.3	3016.4	9062.6	2701.5	4455.4	3615.4	186.5	618.0
43	WHOLESALE/RETAIL	83952.9	126225.9	52725.7	71661.5	151334.6	62470.8	80044.3	76341.6	4741.7	10845.4
44	FINANCE INS. AND R.E.	17308.0	25911.7	11040.5	16560.2	34392.4	13929.8	23317.7	16177.6	962.1	2322.6
45	SERVICES	49992.3	76149.6	32824.3	48173.5	99989.2	52789.8	55895.5	48951.5	2861.3	6852.2
46	GOVERNMENT ENTERPRISE	4401.9	6504.3	2958.5	4864.9	9502.1	3471.6	5098.0	4179.1	246.5	642.9
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	449113.9	638032.8	239837.5	344898.0	651683.7	271812.5	340690.6	345941.5	25208.9	50403.6

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	1577.7	5919.5	4479.4	7313.4	8630.5	12965.6	99001.8	34669.0	81230.2	10847.7
2	OTHER AGRICULTURAL PROD.	1741.9	6479.2	4894.1	8078.0	9460.4	14136.6	108320.2	37966.3	89095.6	11878.0
3	FOREST AND FISH PRODUCTS	263.8	975.6	754.5	1242.0	1448.9	2080.8	16269.6	5774.4	13875.8	1837.0
4	IRON ORES MINING	21.7	1251.8	72.7	831.9	472.0	289.3	3330.0	662.6	1355.2	295.2
5	NONFERROUS ORES MINING	43.9	388.5	3169.5	583.0	557.8	500.7	4089.9	1564.0	4069.5	483.1
6	CRUDE OIL AND NATURAL GAS	278.4	934.3	686.8	1079.7	1268.1	1752.6	14353.3	4775.8	11432.6	1509.3
7	OTHER MINING	1520.4	2270.6	568.7	1225.7	1443.1	1405.6	13015.0	3804.8	9072.8	1278.1
8	CONSTRUCTION	814.6	3050.5	2047.9	3369.9	3844.3	5082.6	42788.1	14790.0	34478.8	4586.2
9	ORDNANCE AND ACCESSORIES	23.4	98.7	74.2	177.2	187.8	586.1	2417.1	851.5	3953.1	533.0
10	FOOD PRODUCTS AND TOBACCO	1711.7	6466.5	4907.5	8034.4	9404.7	14158.1	107816.1	37717.3	88416.2	11827.6
11	TEXTILE AND APPAREL	2291.4	7533.7	5649.6	9528.1	11450.0	16795.6	129522.7	45297.5	108193.4	14189.7
12	LUMBER AND WOOD PRODUCTS	619.3	2171.4	1848.8	3127.8	3612.8	4218.2	36431.4	13673.6	37493.5	4867.2
13	PAPER AND PRODUCTS	905.7	2116.7	1738.3	3036.2	4079.6	4519.4	36116.3	15387.1	37786.6	3753.8
14	PRINTING AND PUBLISHING	910.0	3575.6	2845.8	4410.4	5638.7	7156.3	57629.8	24107.5	48748.3	6138.7
15	CHEMICALS AND PRODUCTS	523.1	1648.1	1317.3	1892.0	2299.2	2446.0	21181.8	7905.2	21382.4	2128.2
16	OTHER CHEMICAL PRODUCTS	250.7	907.3	679.3	1426.6	1628.9	1979.5	15692.5	5784.4	13487.3	1744.7
17	PETROLEUM REFINING	178.6	587.0	428.3	697.5	818.8	1156.5	9438.3	3130.2	7478.3	985.3
18	RUBBER AND PLASTICS	777.5	2013.4	2071.2	2668.4	3784.1	4364.0	42673.8	15992.1	43945.4	3721.6
19	LEATHER AND PRODUCTS	338.5	1228.0	932.7	1534.0	1839.9	2750.9	21058.7	7292.2	17343.7	2279.9
20	GLASS AND PRODUCTS	119.9	440.0	333.1	915.3	734.2	995.1	7809.7	3407.7	15283.2	1849.3
21	STONE AND CLAY PRODUCTS	16536.8	898.4	573.0	1059.2	1220.7	1951.4	18318.2	5565.1	13396.9	1749.3
22	PRIMARY IRON AND STEEL	603.6	49309.4	2389.1	16872.1	18383.7	11171.4	129374.8	25346.7	51150.7	11433.7
23	PRIMARY NONFERROUS METALS	201.2	2008.2	32201.5	4674.5	4830.1	4477.0	35056.6	14255.2	36746.1	4319.2
24	HTNG,PLMG,AND STRL. METAL	123.6	560.8	316.6	62561.3	948.7	1083.7	14999.4	6399.6	6503.7	5564.2
25	OTHER FABRICATED METALS	668.5	3195.3	2169.4	5855.7	71817.6	6688.2	65840.7	25284.4	54410.9	6403.9
26	ENGINES AND TURBINES	45.4	151.4	120.4	292.6	248.9	47743.4	12392.3	989.0	3162.3	3983.8
27	MACHINERY AND EQUIPMENT	705.7	3672.7	2456.4	4955.8	5459.6	12766.7	955611.8	20981.5	36449.5	11705.9
28	OFFICE MACHINES	72.4	274.3	201.8	1086.7	557.8	610.3	6695.5	253842.1	8968.4	622.6
29	OTHER ELECTRICAL EQPT.	794.1	3632.7	3067.4	5197.6	4949.8	10234.3	85386.7	90249.8	905028.6	7228.8
30	SHIPBUILDING AND REPAIR	13.8	78.5	56.4	402.2	100.6	432.8	1595.4	282.0	616.3	117255.3
31	OTHER TRANSPORT EQPT.	681.9	2791.2	1997.9	3760.2	4673.4	9783.3	53946.3	19708.2	44167.6	5928.8
32	INSTRUMENTS	192.5	845.4	586.7	1347.6	1297.6	1728.9	15762.1	7804.9	17712.3	1888.8
33	MISCELLANEOUS MFG.	406.9	1323.6	1066.9	1842.1	2050.7	2755.3	22156.2	8576.1	19448.9	2336.8
34	DEEPSEA FOREIGN	31.4	246.0	267.2	179.9	221.3	224.2	2075.7	641.1	1608.5	191.2
35	DEEPSEA DOMESTIC	34.2	124.8	82.1	138.0	157.9	213.4	1751.0	575.7	1379.5	182.8
36	GREAT LAKES TRANS.	22.1	143.8	13.5	57.7	64.0	46.0	486.0	114.1	260.1	44.7
37	RIVER AND CANAL TRANS.	27.0	167.8	63.8	187.8	124.4	123.7	1091.1	325.8	783.9	112.3
38	LOCAL WATER TRANS.	13.8	73.7	50.6	82.0	72.8	86.0	731.7	234.4	567.3	74.5
39	SERVICE TO WATER TRANS.	30.7	161.1	129.7	138.9	164.0	195.6	1675.0	535.4	1300.1	167.5
40	OTHER TRANS. AND STORAGE	3434.1	12224.4	9001.2	12951.5	14496.2	17692.6	149615.5	51927.5	118974.8	16265.0
41	COMMUNICATIONS	875.0	3133.5	2300.0	4157.3	4654.9	6644.3	55052.4	19704.0	46595.8	5928.3
42	UTILITIES	833.5	2993.4	2247.6	3142.4	3695.8	4717.9	39172.4	13103.9	31795.3	4234.8
43	WHOLESALE/RETAIL	14497.0	54715.9	42482.5	69664.6	79078.9	117442.9	929245.9	330955.5	759681.4	100811.5
44	FINANCE INS. AND R.E.	3199.4	11288.2	8480.9	14866.1	16695.9	24240.8	194869.0	69975.6	159035.6	20622.5
45	SERVICES	9272.7	34699.0	25046.9	43210.3	49921.8	71068.6	571571.2	203368.3	480505.7	60931.8
46	GOVERNMENT ENTERPRISE	891.4	3198.6	2393.5	3915.0	4303.2	5881.9	48056.2	16736.6	39471.9	5172.3
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	69121.1	241968.7	179262.6	322220.0	362793.9	459343.9	4201485.2	1472036.0	3527819.1	480501.9

		31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK AND PRODUCTS	141597.3	21033.8	5642.0	3702.9	430.5	110.2	308.6	15.6	5194.9	29804.3
2	OTHER AGRICULTURAL PROD.	156507.6	23430.0	6411.8	4128.6	479.3	121.5	340.5	17.1	5970.7	33285.8
3	FOREST AND FISH PRODUCTS	24345.1	3518.5	1079.2	609.7	70.1	17.8	50.0	2.5	850.9	4853.6
4	IRON ORES MINING	4012.2	277.3	80.0	46.7	4.5	1.1	3.1	0.1	46.6	206.6
5	NONFERROUS ORES MINING	6015.1	943.7	243.8	95.5	9.1	2.2	6.3	0.3	94.5	358.8
6	CRUDE OIL AND NATURAL GAS	20289.5	2944.8	814.7	818.8	83.6	20.7	58.6	2.6	924.5	6385.8
7	OTHER MINING	17648.8	2288.3	659.4	390.8	41.5	10.0	28.3	1.3	533.4	2612.9
8	CONSTRUCTION	61270.0	8905.6	2389.7	2226.1	234.7	56.1	158.9	7.1	3059.7	19711.5
9	ORDNANCE AND ACCESSORIES	10545.0	680.7	112.6	65.3	7.1	1.8	5.0	0.2	81.4	439.3
10	FOOD PRODUCTS AND TOBACCO	153615.0	22870.3	6098.0	3998.9	466.1	119.5	334.4	16.9	5627.1	32334.7
11	TEXTILE AND APPAREL	225084.8	31453.7	10639.9	5659.8	625.4	158.8	445.9	21.8	7274.0	38552.0
12	LUMBER AND WOOD PRODUCTS	64636.5	8147.9	3641.7	1245.5	139.5	35.2	98.9	4.8	1674.6	9566.4
13	PAPER AND PRODUCTS	55369.7	11632.3	4533.0	1387.3	149.9	37.8	106.7	5.2	1741.9	10093.9
14	PRINTING AND PUBLISHING	84515.1	12549.9	3584.8	2200.3	245.1	61.7	174.2	8.5	2903.1	16953.6
15	CHEMICALS AND PRODUCTS	33500.9	7326.6	1787.3	748.4	82.0	20.5	57.8	2.8	975.8	5636.4
16	OTHER CHEMICAL PRODUCTS	24342.0	3811.4	1051.3	706.8	76.5	19.2	54.3	2.6	883.5	4553.1
17	PETROLEUM REFINING	13304.4	1936.8	538.1	591.9	59.5	14.7	41.7	1.8	639.8	4561.7
18	RUBBER AND PLASTICS	76669.2	11735.7	5342.5	1329.7	144.8	36.5	102.4	4.9	1654.4	10502.6
19	LEATHER AND PRODUCTS	29858.4	4586.9	1818.7	767.6	89.5	23.0	64.3	3.3	1078.9	6111.0
20	GLASS AND PRODUCTS	21600.6	3041.1	667.5	435.3	44.7	10.9	30.9	1.4	488.2	2321.1
21	STONE AND CLAY PRODUCTS	19394.9	2423.8	713.1	432.9	45.0	11.1	31.4	1.4	540.3	3129.6
22	PRIMARY IRON AND STEEL	155211.3	10319.8	3001.1	1775.6	169.3	40.9	117.8	5.0	1754.5	7675.6
23	RIMARY NONFERROUS METALS	52785.9	8236.0	2239.8	843.5	79.2	19.2	55.0	2.3	813.5	2881.8
24	HTNG,PLMG,AND STRL. METAL	14098.1	1494.2	377.9	405.4	40.1	9.6	27.5	1.2	464.5	2329.5
25	OTHER FABRICATED METALS	148550.8	13684.7	3344.9	2243.8	217.9	52.5	152.6	6.6	2295.8	9282.3
26	ENGINES AND TURBINES	11348.3	422.0	97.7	200.4	18.4	4.5	12.8	0.5	182.6	742.8
27	MACHINERY AND EQUIPMENT	110847.1	8660.2	1617.6	1512.7	144.9	35.7	101.4	4.3	1524.1	6579.9
28	OFFICE MACHINES	15763.3	1358.8	374.8	168.6	18.7	4.7	13.2	0.6	221.8	1295.6
29	OTHER ELECTRICAL EQPT.	136037.4	25147.8	3587.2	1878.2	208.6	53.1	147.8	7.4	2423.5	14156.9
30	SHIPBUILDING AND REPAIR	3289.3	204.0	44.3	2983.7	245.1	57.2	168.0	6.2	2164.3	203.6
31	OTHER TRANSPORT EQPT.	1094428.8	10740.0	2629.3	1769.2	199.0	50.5	141.9	7.0	2329.7	15182.0
32	INSTRUMENTS	31515.9	206304.0	788.5	720.7	72.7	17.5	51.2	2.3	788.6	3533.2
33	MISCELLANEOUS MFG.	32794.7	5529.4	63517.5	859.2	96.1	24.3	68.8	3.4	1127.4	6238.7
34	DEEPSEA FOREIGN	2759.9	412.6	146.5	24858.3	7.5	1.5	4.3	0.2	81.6	397.0
35	DEEPSEA DOMESTIC	2518.1	350.5	99.3	103.2	3169.0	2.7	7.1	0.3	110.6	754.2
36	GREAT LAKES TRANS.	633.1	60.2	16.5	11.5	1.0	735.3	0.7	0.0	10.9	57.7
37	RIVER AND CANAL TRANS.	1543.2	198.6	54.6	43.3	4.3	0.9	2896.3	0.1	54.2	298.9
38	LOCAL WATER TRANS.	1031.3	145.1	44.7	2231.0	516.0	0.8	381.0	203.7	38.3	239.5
39	SERVICE TO WATER TRANS.	2330.9	332.0	102.3	7658.2	1407.7	60.8	166.2	1.4	77684.7	526.1
40	OTHER TRANS. AID STORAGE	231545.7	29966.9	8765.9	8851.1	940.9	244.7	648.2	23.6	8297.7	459500.1
41	COMMUNICATIONS	78818.2	12010.3	3098.7	2243.1	243.6	61.4	172.4	8.2	2799.2	17450.7
42	UTILITIES	55861.0	7941.3	2170.0	1428.0	159.7	39.0	111.6	5.4	2051.2	11115.1
43	WHOLESALE/RETAIL	1317831.7	195725.7	53938.9	33624.7	3818.5	970.7	2726.1	135.0	45346.8	271187.7
44	FINANCE INS. AND R.E.	273269.0	40882.5	11001.8	7994.2	894.8	226.7	637.1	31.0	10468.6	60842.7
45	SERVICES	648904.2	126108.3	33608.0	22657.4	2512.0	634.3	1785.2	86.8	29502.7	172090.0
46	GOVERNMENT ENTERPRISE	69593.8	10069.5	2801.2	2907.8	371.6	63.4	181.1	7.6	10450.5	23269.6
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	5737633.1	961843.5	255378.0	161501.9	19084.6	4302.7	13277.3	672.6	245225.8	1529845.9

		41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK AND PRODUCTS	9185.1	7761.2	49431.3	17489.0	51741.1	4004.8	0.0	0.0	-11589.7	458604.7
2	OTHER AGRICULTURAL PROD.	10048.5	9117.4	54280.0	20136.3	57754.7	6599.3	0.0	0.0	-12049.1	498059.9
3	FOREST AND FISH PRODUCTS	1477.6	1301.0	8614.1	3005.3	8467.1	826.8	0.0	0.0	-1825.9	71725.2
4	IRON ORES MINING	50.4	53.5	269.9	93.6	338.1	29.6	0.0	0.0	-71.1	2119.2
5	NONFERROUS ORES MINING	105.0	103.9	533.4	194.9	652.5	59.1	0.0	0.0	-145.7	4146.3
6	CRUDE OIL AND NATURAL GAS	1235.6	4408.3	7227.1	2277.1	7266.9	790.9	0.0	0.0	-1052.0	55199.8
7	OTHER MINING	722.3	3412.2	4005.8	1420.2	4478.0	844.3	0.0	0.0	-663.8	30187.7
8	CONSTRUCTION	5700.4	7629.2	21302.9	13927.2	24596.1	5565.7	0.0	0.0	-3202.4	151843.5
9	ORDNANCE AND ACCESSORIES	133.7	110.7	772.2	224.5	780.1	63.2	0.0	0.0	-228.9	6229.9
10	FOOD PRODUCTS AND TOBACCO	9996.5	8403.1	53681.8	16431.5	55764.9	4934.0	0.0	0.0	-13443.2	501478.3
11	TEXTILE AND APPAREL	11633.7	9937.4	62495.8	19170.0	66551.4	5757.7	0.0	0.0	-8796.9	584802.5
12	LUMBER AND WOOD PRODUCTS	2916.7	2726.6	16067.0	5276.5	16449.4	1669.0	0.0	0.0	-2497.4	131642.8
13	PAPER AND PRODUCTS	3098.2	2597.7	20383.2	5350.4	23361.2	1511.0	0.0	0.0	-5851.5	134498.8
14	PRINTING AND PUBLISHING	5855.5	4348.8	30356.7	9830.8	69466.5	2650.8	0.0	0.0	-11870.9	231166.1
15	CHEMICALS AND PRODUCTS	1558.9	1604.8	9072.4	2945.2	10809.3	1019.3	0.0	0.0	-1695.6	71709.5
16	OTHER CHEMICAL PRODUCTS	1390.9	1187.4	7675.8	2364.3	10389.9	728.8	0.0	0.0	-1159.9	65965.4
17	PETROLEUM REFINING	811.1	847.2	4755.1	1468.7	4730.7	473.6	0.0	0.0	-720.7	36672.5
18	RUBBER AND PLASTICS	2817.0	2463.6	16496.2	4743.5	19121.8	1469.0	0.0	0.0	-2696.2	127318.6
19	LEATHER AND PRODUCTS	1925.7	1604.2	10255.1	3134.7	11828.9	926.4	0.0	0.0	-1607.4	96744.7
20	GLASS AND PRODUCTS	657.8	557.2	3861.4	1107.9	4272.1	334.6	0.0	0.0	-697.7	30679.0
21	STONE AND CLAY PRODUCTS	891.9	1107.9	4535.3	1904.7	5395.0	693.4	0.0	0.0	-653.6	31162.7
22	PRIMARY IRON AND STEEL	1853.8	1952.0	9878.7	3378.3	12442.8	1080.3	0.0	0.0	-2668.[illegible]	77651.8
23	RIMARY NONFERROUS METALS	861.0	799.8	4253.6	1493.6	5265.4	470.9	0.0	0.0	-1250.6	33151.3
24	HTNG,PLMG,AND STRL. METAL	670.0	852.0	3272.3	1575.8	3209.5	583.1	0.0	0.0	-572.4	20662.3
25	OTHER FABRICATED METALS	2646.0	2392.9	14596.6	4520.5	20899.0	1387.9	0.0	0.0	-3281.5	116611.1
26	ENGINES AND TURBINES	137.7	163.9	762.9	240.6	1049.6	95.9	0.0	0.0	-165.9	6053.8
27	MACHINERY AND EQUIPMENT	1676.1	1812.8	9951.4	3259.4	13238.4	953.2	0.0	0.0	-1991.6	72178.8
28	OFFICE MACHINES	398.9	347.9	2338.1	982.0	3157.9	214.5	0.0	0.0	-372.1	17083.1
29	OTHER ELECTRICAL EQPT.	5508.0	3847.6	22582.3	7213.2	27032.8	2077.1	0.0	0.0	-4124.4	191098.8
30	SHIPBUILDING AND REPAIR	49.9	62.7	280.4	96.9	304.4	43.5	0.0	0.0	-89.2	2207.3
31	OTHER TRANSPORT EQPT.	3910.3	3287.5	20755.1	6497.7	24682.6	1920.5	0.0	0.0	-3239.5	193403.2
32	INSTRUMENTS	1101.5	888.1	6299.2	1848.9	9585.0	526.3	0.0	0.0	-1872.6	47786.7
33	MISCELLANEOUS MFG.	1995.1	1617.3	11109.5	3258.9	14891.8	939.6	0.0	0.0	-3432.8	92683.3
34	DEEPSEA FOREIGN	107.3	146.1	592.3	187.9	639.5	131.5	0.0	0.0	-152.3	4948.3
35	DEEPSEA DOMESTIC	145.9	166.4	819.5	286.7	861.0	86.7	0.0	0.0	-135.5	6622.8
36	GREAT LAKES TRANS.	15.2	28.2	82.7	27.5	97.7	10.5	0.0	0.0	-17.4	657.4
37	RIVER AND CANAL TRANS.	68.2	149.9	387.3	117.5	425.9	55.5	0.0	0.0	-72.5	3085.7
38	LOCAL WATER TRANS.	52.5	70.5	295.6	96.0	312.0	38.3	0.0	0.0	-54.6	2430.2
39	SERVICE TO WATER TRANS.	117.9	141.9	652.6	218.2	692.2	90.0	0.0	0.0	-121.9	5464.9
40	OTHER TRANS. AND STORAGE	11402.4	13356.8	65300.4	20963.0	69188.3	9660.6	0.0	0.0	-37069.1	493982.3
41	COMMUNICATIONS	103542.1	4081.9	29297.0	8934.8	42160.2	2343.1	0.0	0.0	-3643.0	209360.3
42	UTILITIES	3387.8	45775.4	19658.7	5525.6	20501.2	2929.8	0.0	0.0	-2367.7	144097.5
43	WHOLESALE/RETAIL	79166.7	67546.4	1557823.4	133273.2	457375.2	39152.5	0.0	0.0	-62570.7	3841026.7
44	FINANCE INS. AND R.E.	18151.1	15658.2	105063.7	120737.4	107475.3	8960.4	0.0	0.0	-12321.5	826665.7
45	SERVICES	61289.6	43614.2	306450.5	96111.0	1050098.1	26047.8	0.0	0.0	-46654.0	2321194.[illegible]
46	GOVERNMENT ENTERPRISE	4602.0	22006.8	31223.3	10052.5	29144.4	48210.9	0.0	0.0	-3750.1	185694.[illegible]
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.[illegible]
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.
52	COLUMN SUM	375069.2	302050.5	2609859.7	563333.3	2368946.1	189561.5	0.0	0.0	-274510.	712237656.

		51	52
1	LIVESTOCK AND PRODUCTS	0.0	1751359.0
2	OTHER AGRICULTURAL PROD.	0.0	2138399.2
3	FOREST AND FISH PRODUCTS	0.0	320239.0
4	IRON ORES MINING	0.0	25675.8
5	NONFERROUS ORES MINING	0.0	53925.6
6	CRUDE OIL AND NATURAL GAS	0.0	277591.6
7	OTHER MINING	0.0	259213.2
8	CONSTRUCTION	0.0	3989976.5
9	ORDNANCE AND ACCESSORIES	0.0	317332.7
10	FOOD PRODUCTS AND TOBACCO	0.0	1888537.6
11	TEXTILE AND APPAREL	0.0	2374263.6
12	LUMBER AND WOOD PRODUCTS	0.0	1056310.8
13	PAPER AND PRODUCTS	0.0	683338.8
14	PRINTING AND PUBLISHING	0.0	1055076.0
15	CHEMICALS AND PRODUCTS	0.0	471295.3
16	OTHER CHEMICAL PRODUCTS	0.0	316173.1
17	PETROLEUM REFINING	0.0	184378.1
18	RUBBER AND PLASTICS	0.0	725638.5
19	LEATHER AND PRODUCTS	0.0	354349.8
20	GLASS AND PRODUCTS	0.0	175179.4
21	STONE AND CLAY PRODUCTS	0.0	466726.8
22	PRIMARY IRON AND STEEL	0.0	919496.0
23	RIMARY NONFERROUS METALS	0.0	406463.2
24	HTNG,PLMG,AND STRL. METAL	0.0	483819.5
25	OTHER FABRICATED METALS	0.0	883392.8
26	ENGINES AND TURBINES	0.0	104580.2
27	MACHINERY AND EQUIPMENT	0.0	1499758.6
28	OFFICE MACHINES	0.0	368658.2
29	OTHER ELECTRICAL EQPT.	0.0	1964466.4
30	SHIPBUILDING AND REPAIR	0.0	139195.0
31	OTHER TRANSPORT EQPT.	0.0	1815621.7
32	INSTRUMENTS	0.0	451470.1
33	MISCELLANEOUS MFG.	0.0	431251.7
34	DEEPSEA FOREIGN	0.0	52184.2
35	DEEPSEA DOMESTIC	0.0	33706.9
36	GREAT LAKES TRANS.	0.0	5813.4
37	RIVER AND CANAL TRANS.	0.0	19057.4
38	LOCAL WATER TRANS.	0.0	14895.6
39	SERVICE TO WATER TRANS.	0.0	112760.0
40	OTHER TRANS. AND STORAGE	0.0	2777448.3
41	COMMUNICATIONS	0.0	976193.5
42	UTILITIES	0.0	647055.5
43	WHOLESALE/RETAIL	0.0	16273808.0
44	FINANCE INS. AND R.E.	0.0	3250974.6
45	SERVICES	0.0	10171902.0
46	GOVERNMENT ENTERPRISE	0.0	858076.8
47	NONCOMPETITIVE IMPORTS	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0
52	COLUMN SUM	0.0	63547031.0

TABLE H1. INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT AND INDIRECT/(IN $ MILLION)

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	2625.8	516.8	40.3	0.2	0.4	1.3	2.2	308.5	30.6	23290.0
2	OTHER AGRICULTURAL PROD.	792.3	7293.3	74.7	0.2	0.5	1.3	2.6	459.8	31.8	14778.8
3	FOREST AND FISH PRODUCTS	93.4	363.7	445.9	0.1	0.2	0.3	0.8	515.7	12.6	1620.1
4	IRON ORES MINING	1.2	5.4	0.2	87.0	1.1	0.4	2.0	321.5	50.8	68.5
5	NONFERROUS ORES MINING	1.2	6.2	0.2	2.0	199.9	0.2	2.1	323.2	42.6	58.9
6	CRUDE OIL AND NATURAL GAS	31.8	170.3	4.5	0.6	1.5	349.3	13.6	1293.5	65.5	829.2
7	OTHER MINING	12.2	78.7	1.4	0.9	1.9	1.2	940.9	1771.1	59.3	417.7
8	CONSTRUCTION	53.3	186.9	4.1	2.4	3.6	15.5	16.4	86592.1	108.5	1365.0
9	ORDNANCE AND ACCESSORIES	0.4	1.6	0.1	0.0	0.1	0.1	0.2	50.8	9792.1	15.9
10	FOOD PRODUCTS AND TOBACCO	392.6	117.5	15.6	0.4	1.0	2.1	4.9	742.7	91.7	89304.1
11	TEXTILE AND APPAREL	17.2	77.5	20.1	0.4	0.6	1.0	11.1	1177.2	127.1	762.2
12	LUMBER AND WOOD PRODUCTS	13.2	63.4	3.9	0.5	2.2	1.5	7.4	6394.7	153.8	704.1
13	PAPER AND PRODUCTS	35.3	80.1	18.6	0.5	1.2	2.1	11.3	1623.0	201.1	4145.0
14	PRINTING AND PUBLISHING	19.3	64.4	2.2	0.6	1.0	2.3	6.4	972.4	95.3	1323.2
15	CHEMICALS AND PRODUCTS	104.4	788.0	13.4	2.3	8.8	6.5	30.0	1610.3	396.4	2888.8
16	OTHER CHEMICAL PRODUCTS	12.6	32.4	1.2	0.2	0.5	1.0	2.3	1566.1	40.0	582.1
17	PETROLEUM REFINING	64.7	356.4	9.5	0.8	2.2	2.9	23.7	2648.0	113.0	1578.0
18	RUBBER AND PLASTICS	27.3	116.5	4.6	1.3	2.3	2.5	16.6	1849.3	241.2	1737.9
19	LEATHER AND PRODUCTS	1.6	2.5	0.2	0.0	0.0	0.1	0.3	44.9	5.0	38.1
20	GLASS AND PRODUCTS	6.0	5.7	0.4	0.0	0.1	0.2	0.5	396.1	24.8	1034.5
21	STONE AND CLAY PRODUCTS	7.5	32.8	0.8	0.3	1.0	3.7	23.6	6766.8	52.7	238.2
22	PRIMARY IRON AND STEEL	19.8	73.2	4.1	3.5	9.5	7.7	34.0	6203.8	994.8	1234.0
23	PRIMARY NONFERROUS METALS	12.1	50.6	2.1	0.9	2.0	2.7	10.8	4907.3	647.5	607.2
24	MTNG.PLMG.AND STRL. METAL	5.8	20.9	0.5	0.3	0.5	2.7	3.1	7923.3	32.2	169.0
25	OTHER FABRICATED METALS	31.2	74.5	8.8	0.8	2.7	3.7	16.9	3376.3	495.2	2924.2
26	ENGINES AND TURBINES	1.2	5.5	0.6	0.3	1.4	1.4	6.9	204.8	30.3	46.1
27	MACHINERY AND EQUIPMENT	22.7	137.0	2.9	2.2	12.2	8.0	37.1	2358.0	462.6	942.8
28	OFFICE MACHINES	2.0	7.5	0.2	0.1	0.2	0.5	0.8	972.0	42.2	72.6
29	OTHER ELECTRICAL EQPT.	11.5	46.9	1.5	0.5	1.4	6.7	8.0	3540.9	746.5	386.1
30	SHIPBUILDING AND REPAIR	0.4	1.4	0.0	0.0	0.0	0.0	0.2	46.9	3.3	16.2
31	OTHER TRANSPORT EQPT.	8.0	28.0	3.1	0.6	1.1	1.0	3.5	591.3	1649.6	321.6
32	INSTRUMENTS	3.1	11.5	0.5	0.1	0.3	0.7	1.4	556.0	215.2	156.3
33	MISCELLANEOUS MFG.	3.4	12.4	1.0	0.1	0.3	0.5	1.5	418.5	29.2	155.0
61	U.S. MERCHANT MARINE	6.9	23.6	0.7	0.2	0.2	0.3	1.7	243.4	16.4	277.1
62	FOREIGN SHIPS	3.4	13.7	3.0	4.4	6.6	2.4	2.5	170.7	19.6	173.2
39	SERVICE TO WATER TRANS.	0.8	2.8	0.1	0.0	0.0	0.0	0.2	29.0	2.0	33.0
40	OTHER TRANS. AND STORAGE	110.7	232.4	11.3	1.9	4.4	6.2	22.7	4746.1	339.1	4359.0
41	COMMUNICATIONS	22.1	65.8	1.7	0.5	1.1	1.9	5.9	1039.4	161.5	883.0
42	UTILITIES	41.1	158.0	4.2	3.7	7.8	7.4	41.8	1714.6	207.5	1806.3
43	WHOLESALE/RETAIL	204.2	547.3	18.6	2.1	6.2	9.5	33.4	9486.7	514.8	6252.8
44	FINANCE INS. AND R.E.	204.9	908.0	26.7	9.4	13.3	70.2	75.4	4622.1	341.9	5233.9
45	SERVICES	149.9	599.4	13.3	5.2	7.3	15.8	53.3	8363.7	652.8	6958.3
46	GOVERNMENT ENTERPRISE	18.4	62.1	2.0	0.9	1.9	2.8	10.1	804.4	80.8	761.0
47	NONCOMPETITIVE IMPORTS	9.1	14.7	4.1	0.1	0.2	0.3	1.1	252.0	18.2	1344.4
48	COMPETITIVE IMPORTS	58.8	216.2	54.7	28.0	41.2	27.5	40.5	2245.9	326.2	2638.1
49	DUMMY INDUSTRIES	20.8	69.9	5.1	1.1	2.9	6.4	13.4	1913.9	289.3	1105.9
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	5285.7	13743.6	832.8	167.9	354.7	582.3	1545.3	184158.8	20054.4	185617.3

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	427.5	65.8	18.8	23.4	29.9	127.6	46.1	22.1	100.7	1.6
2	OTHER AGRICULTURAL PROD.	1187.4	162.6	20.2	26.6	34.7	130.6	48.9	28.2	79.4	1.9
3	FOREST AND FISH PRODUCTS	215.4	461.7	15.7	9.3	9.0	20.0	11.5	7.1	14.0	1.1
4	IRON ORES MINING	13.0	19.3	3.3	4.2	18.9	15.0	12.7	0.5	3.3	0.4
5	NONFERROUS ORES MINING	14.1	9.5	2.8	4.7	29.4	16.1	10.9	7.7	2.9	0.7
6	CRUDE OIL AND NATURAL GAS	184.0	69.0	36.1	41.5	249.3	141.7	6170.8	74.9	28.1	5.6
7	OTHER MINING	120.9	40.7	43.4	29.5	212.6	114.7	102.7	61.9	18.9	12.4
8	CONSTRUCTION	289.4	108.4	55.8	36.0	106.3	162.3	553.1	71.8	45.2	11.2
9	ORDNANCE AND ACCESSORIES	4.8	9.6	1.0	2.9	3.9	3.6	3.0	2.1	1.0	0.1
10	FOOD PRODUCTS AND TOBACCO	266.9	65.4	56.4	61.3	95.2	403.8	97.7	59.8	318.6	4.4
11	TEXTILE AND APPAREL	38572.6	451.2	99.0	107.4	46.8	108.1	51.1	352.4	560.3	5.9
12	LUMBER AND WOOD PRODUCTS	142.5	9428.4	270.3	110.0	42.8	76.2	66.0	46.4	77.9	16.8
13	PAPER AND PRODUCTS	714.8	214.5	3835.2	1367.3	160.3	546.0	201.9	247.0	179.9	53.7
14	PRINTING AND PUBLISHING	188.4	58.6	59.2	6545.6	44.3	207.0	108.4	43.7	38.7	5.0
15	CHEMICALS AND PRODUCTS	1311.0	233.3	205.5	253.7	5527.6	1693.1	568.9	983.5	197.7	27.3
16	OTHER CHEMICAL PRODUCTS	123.1	103.2	19.0	26.1	110.0	9357.7	98.2	59.4	59.0	5.8
17	PETROLEUM REFINING	314.6	125.3	62.0	71.0	495.8	273.0	13959.0	140.2	48.7	7.2
18	RUBBER AND PLASTICS	3014.8	306.9	142.8	129.5	254.4	679.3	138.8	4911.2	461.2	23.3
19	LEATHER AND PRODUCTS	107.4	7.3	1.9	3.2	2.2	7.0	3.9	10.3	4647.1	0.2
20	GLASS AND PRODUCTS	81.7	42.3	3.9	4.6	8.0	137.4	10.3	14.6	8.2	613.2
21	STONE AND CLAY PRODUCTS	83.7	81.9	16.8	16.1	37.8	58.9	128.3	31.5	12.2	13.4
22	PRIMARY IRON AND STEEL	200.6	373.5	56.1	72.4	137.5	224.2	225.6	87.1	57.7	5.9
23	PRIMARY NONFERROUS METALS	143.5	125.8	31.3	58.5	152.2	155.8	132.3	65.5	33.2	10.2
24	HTNG,PLMG,AND STRL. METAL	38.1	28.4	7.3	11.5	14.3	22.4	78.3	11.8	6.5	1.5
25	OTHER FABRICATED METALS	247.3	394.0	79.4	126.2	126.4	496.7	176.3	114.6	121.3	5.7
26	ENGINES AND TURBINES	11.3	5.8	2.2	2.8	6.2	7.3	31.0	3.6	2.1	0.4
27	MACHINERY AND EQUIPMENT	302.8	124.3	53.9	54.1	138.0	128.0	240.7	94.8	55.1	7.0
28	OFFICE MACHINES	19.4	16.4	3.5	5.9	5.7	14.2	16.4	4.8	3.4	0.6
29	OTHER ELECTRICAL EQPT.	112.7	60.4	18.4	34.9	38.6	71.3	161.7	30.6	21.9	4.3
30	SHIPBUILDING AND REPAIR	2.9	1.5	0.6	0.6	1.5	1.8	10.3	1.4	0.5	0.1
31	OTHER TRANSPORT EQPT.	76.7	49.7	12.0	20.6	25.0	57.8	49.1	35.4	15.0	4.8
32	INSTRUMENTS	74.4	32.3	12.1	21.4	13.0	65.8	36.0	13.6	20.9	2.2
33	MISCELLANEOUS MFG.	362.7	35.7	10.2	25.1	14.3	42.7	20.7	33.4	51.3	2.2
61	U.S. MERCHANT MARINE	38.2	21.6	9.9	8.2	20.2	25.8	205.6	15.8	7.1	1.0
62	FOREIGN SHIPS	59.7	72.1	10.1	5.8	16.7	15.4	91.1	8.7	6.6	2.3
39	SERVICE TO WATER TRANS.	4.6	2.6	1.2	1.0	3.1	3.1	24.5	1.9	0.8	0.1
40	OTHER TRANS. AND STORAGE	820.5	343.5	200.3	232.9	243.1	418.6	765.5	194.0	143.2	28.5
41	COMMUNICATIONS	244.8	73.4	31.0	114.2	47.7	147.8	95.9	49.3	44.4	5.3
42	UTILITIES	593.0	184.7	117.9	131.2	273.0	246.2	498.8	155.0	86.2	34.0
43	WHOLESALE/RETAIL	1651.1	502.4	183.0	298.1	235.6	508.5	462.1	262.3	314.3	38.4
44	FINANCE INS. AND R.E.	1303.9	378.5	160.2	516.0	352.8	747.8	1920.4	250.1	226.5	31.0
45	SERVICES	1335.2	440.0	194.1	518.8	352.4	1835.3	921.2	327.4	276.8	36.9
46	GOVERNMENT ENTERPRISE	242.3	67.7	36.2	129.0	72.9	109.8	159.7	47.8	43.4	8.2
47	NONCOMPETITIVE IMPORTS	111.4	18.3	6.9	10.9	21.5	54.9	39.4	51.3	20.8	1.0
48	COMPETITIVE IMPORTS	977.1	510.3	277.7	183.1	264.3	274.5	1076.4	166.0	140.5	25.0
49	DUMMY INDUSTRIES	385.7	114.5	79.8	153.3	90.8	280.8	194.7	91.8	65.0	12.6
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	56737.9	16042.4	6564.4	11680.2	10190.3	20295.6	30026.0	9300.5	8673.6	1070.7

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	1,8	5,9	7,4	6,6	10,3	5,9	67,3	32,3	84,7	5,9
2	OTHER AGRICULTURAL PROD.	2,1	5,5	6,5	6,5	10,5	5,7	66,5	31,2	87,7	6,1
3	FOREST AND FISH PRODUCTS	0,7	1,5	1,7	2,2	3,6	1,6	23,1	9,6	36,3	2,3
4	IRON ORES MINING	1,7	83,7	3,7	28,3	47,6	17,1	198,2	37,2	181,3	16,3
5	NONFERROUS ORES MINING	1,6	10,4	97,1	15,0	23,8	12,9	99,5	41,4	193,9	11,9
6	CRUDE OIL AND NATURAL GAS	8,9	14,2	10,7	13,3	23,9	13,6	126,1	46,9	165,7	13,3
7	OTHER MINING	61,6	48,3	7,7	20,2	36,7	15,8	172,0	44,3	149,1	14,8
8	CONSTRUCTION	13,8	31,1	18,2	27,7	46,1	25,1	293,1	107,3	334,3	28,6
9	ORDNANCE AND ACCESSORIES	0,2	0,8	0,6	2,9	4,1	15,3	38,3	14,6	146,5	13,2
10	FOOD PRODUCTS AND TOBACCO	4,6	18,7	24,4	19,9	30,6	18,1	194,0	93,3	241,5	17,4
11	TEXTILE AND APPAREL	12,3	8,2	9,4	12,2	29,4	14,4	163,9	70,3	261,8	15,8
12	LUMBER AND WOOD PRODUCTS	6,4	11,6	14,0	23,6	40,6	13,0	186,3	91,6	459,1	37,6
13	PAPER AND PRODUCTS	26,4	16,0	18,5	34,2	89,4	29,5	276,3	205,1	747,2	22,5
14	PRINTING AND PUBLISHING	5,2	16,0	17,0	19,2	50,0	17,8	204,6	169,2	297,0	17,0
15	CHEMICALS AND PRODUCTS	24,2	38,3	34,1	30,6	80,1	25,1	313,0	143,5	678,8	23,5
16	OTHER CHEMICAL PRODUCTS	2,7	5,1	4,7	21,5	34,9	8,5	98,9	55,0	166,9	11,5
17	PETROLEUM REFINING	14,4	20,5	15,0	20,8	37,1	23,0	269,1	77,5	269,6	21,2
18	RUBBER AND PLASTICS	18,8	14,2	29,3	23,1	73,9	28,5	503,5	225,5	1326,9	24,7
19	LEATHER AND PRODUCTS	0,5	0,8	1,2	0,9	2,4	1,3	14,9	5,5	20,1	1,3
20	GLASS AND PRODUCTS	0,7	1,4	1,3	10,1	6,4	3,5	31,5	26,1	328,8	7,0
21	STONE AND CLAY PRODUCTS	665,3	12,3	7,1	14,4	25,1	28,1	282,3	84,2	286,4	24,5
22	PRIMARY IRON AND STEEL	20,5	1677,9	59,3	565,4	947,1	344,4	5946,5	731,0	1962,9	334,0
23	PRIMARY NONFERROUS METALS	8,0	82,7	1064,1	223,5	351,0	199,8	1460,1	653,8	2394,8	183,2
24	HTNG,PLMG,AND STRL. METAL	2,4	8,0	3,4	1679,1	24,0	14,5	279,5	136,1	115,6	181,8
25	OTHER FABRICATED METALS	13,8	50,7	32,6	121,3	3213,7	108,1	1197,9	517,0	1478,1	106,0
26	ENGINES AND TURBINES	1,6	2,8	2,4	7,6	8,2	1899,8	411,1	21,7	116,7	123,3
27	MACHINERY AND EQUIPMENT	21,0	73,7	48,3	105,6	176,4	309,2	24955,8	445,0	951,7	264,7
28	OFFICE MACHINES	0,9	2,2	1,7	28,0	13,2	5,0	103,5	8784,5	295,3	7,6
29	OTHER ELECTRICAL EQPT.	6,8	32,1	34,1	58,2	59,5	152,7	1129,8	2009,9	32043,0	69,9
30	SHIPBUILDING AND REPAIR	0,2	0,7	0,3	6,9	1,5	7,3	26,2	2,0	4,9	2141,0
31	OTHER TRANSPORT EQPT.	2,8	17,1	11,2	32,8	75,0	190,1	537,6	243,8	661,0	58,3
32	INSTRUMENTS	1,4	6,4	4,0	15,6	17,1	10,9	143,1	113,9	349,1	17,4
33	MISCELLANEOUS MFG.	3,7	4,2	5,4	5,1	13,4	4,7	64,0	44,7	120,2	4,6
61	U.S. MERCHANT MARINE	3,3	11,6	2,7	5,6	9,7	4,1	45,1	11,6	39,1	3,9
62	FOREIGN SHIPS	1,5	10,9	13,1	6,3	12,4	5,5	61,6	17,3	64,1	4,5
39	SERVICE TO WATER TRANS.	0,4	1,4	0,3	0,7	1,2	0,5	5,4	1,4	4,7	0,5
40	OTHER TRANS. AND STORAGE	51,3	103,3	77,5	93,6	149,7	73,5	787,4	292,4	869,8	82,3
41	COMMUNICATIONS	7,2	13,5	10,3	23,1	32,9	21,9	270,5	115,6	380,9	26,2
42	UTILITIES	35,4	72,1	57,0	56,8	102,8	46,9	541,3	170,7	632,5	54,1
43	WHOLESALE/RETAIL	30,8	80,2	86,2	114,9	160,3	126,0	1341,7	593,9	1606,4	125,2
44	FINANCE INS. AND R.E.	39,5	60,6	57,8	93,7	144,0	77,5	1166,5	563,7	1372,1	83,0
45	SERVICES	40,4	95,5	65,9	119,4	193,3	113,4	1340,6	580,9	1902,4	114,8
46	GOVERNMENT ENTERPRISE	9,6	19,0	15,2	18,5	31,2	10,7	193,9	73,6	238,9	18,6
47	NONCOMPETITIVE IMPORTS	1,5	3,6	7,3	3,6	6,3	6,1	53,9	17,4	103,5	3,5
48	COMPETITIVE IMPORTS	21,8	127,1	195,9	86,4	180,9	108,9	1295,8	387,5	1453,6	67,3
49	DUMMY INDUSTRIES	10,4	63,5	64,4	64,0	94,3	59,0	607,2	299,1	741,1	55,8
50	MISCELLANEOUS INDUSTRIES	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	COLUMN SUM	1212,2	2985,2	2870,8	3888,8	6725,3	4206,2	45614,2	13444,7	53346,1	4424,9

	31	32	33	61	62	39	40	41	42	43
1 LIVESTOCK AND PRODUCTS	166.1	24.7	27.7	7.0	0.0	3.2	63.9	21.7	39.7	577.6
2 OTHER AGRICULTURAL PROD.	194.5	31.1	40.0	9.2	0.0	7.3	85.8	22.4	106.1	562.0
3 FOREST AND FISH PRODUCTS	71.0	7.7	16.3	1.9	0.0	1.3	15.7	5.5	15.1	269.0
4 IRON ORES MINING	358.8	17.1	16.9	4.6	0.0	1.7	13.6	2.8	10.2	48.1
5 NONFERROUS ORES MINING	227.9	31.6	26.8	4.3	0.0	1.6	8.3	3.3	8.8	37.7
6 CRUDE OIL AND NATURAL GAS	335.2	39.5	43.0	48.2	0.0	18.1	430.4	39.7	1512.3	949.1
7 OTHER MINING	343.7	33.3	35.1	9.0	0.0	5.3	50.0	15.4	585.2	255.6
8 CONSTRUCTION	658.5	80.0	73.5	62.3	0.0	37.5	711.4	318.3	1056.4	1647.0
9 ORDNANCE AND ACCESSORIES	458.4	18.8	6.2	1.3	0.0	0.5	4.8	1.9	2.5	51.2
10 FOOD PRODUCTS AND TOBACCO	453.3	70.3	72.8	16.7	0.0	7.6	170.4	59.1	93.6	1658.7
11 TEXTILE AND APPAREL	1637.4	162.4	350.3	52.1	0.0	18.3	122.4	24.6	64.3	727.2
12 LUMBER AND WOOD PRODUCTS	813.7	66.3	192.7	10.7	0.0	4.9	76.0	32.0	93.3	593.9
13 PAPER AND PRODUCTS	814.1	262.0	446.2	25.0	0.0	9.4	156.6	72.7	107.4	2484.4
14 PRINTING AND PUBLISHING	531.3	70.6	86.5	19.9	0.0	8.2	147.2	128.6	96.9	1560.3
15 CHEMICALS AND PRODUCTS	945.9	281.4	211.8	21.9	0.0	9.8	156.6	36.6	170.3	953.6
16 OTHER CHEMICAL PRODUCTS	371.5	62.4	63.9	22.0	0.0	8.3	60.7	24.1	43.7	526.8
17 PETROLEUM REFINING	561.0	66.9	75.1	102.2	0.0	36.4	897.8	64.9	298.3	1631.5
18 RUBBER AND PLASTICS	1870.9	258.2	532.9	24.5	0.0	8.3	214.0	47.3	94.5	1181.7
19 LEATHER AND PRODUCTS	29.9	7.6	47.7	0.8	0.0	0.3	4.5	3.1	3.2	77.3
20 GLASS AND PRODUCTS	425.8	50.4	30.5	9.7	0.0	3.4	24.4	6.0	9.9	175.7
21 STONE AND CLAY PRODUCTS	374.7	34.1	37.3	10.3	0.0	4.9	75.5	30.3	112.3	346.3
22 PRIMARY IRON AND STEEL	7120.2	325.0	324.8	90.9	0.0	32.4	263.8	53.3	187.8	742.7
23 PRIMARY NONFERROUS METALS	3442.1	473.8	426.6	67.4	0.0	24.0	113.3	49.9	105.6	491.4
24 HTNG,PLMG,AND STHL. METAL	321.6	20.8	16.1	14.3	0.0	6.4	72.4	31.1	105.5	323.7
25 OTHER FABRICATED METALS	5075.8	333.2	254.9	85.6	0.0	30.2	156.3	48.6	111.2	850.1
26 ENGINES AND TURBINES	544.7	7.8	4.5	12.6	0.0	4.4	35.9	3.3	18.9	56.5
27 MACHINERY AND EQUIPMENT	3667.9	196.7	92.0	56.1	0.0	20.0	147.7	32.2	132.5	739.3
28 OFFICE MACHINES	542.9	27.2	25.9	2.8	0.0	1.2	20.9	10.0	18.2	212.7
29 OTHER ELECTRICAL EQPT.	3038.4	559.6	151.5	22.6	0.0	8.5	150.8	196.8	142.1	848.9
30 SHIPBUILDING AND REPAIR	72.9	2.3	0.9	118.9	0.0	44.5	3.3	0.6	3.9	11.3
31 OTHER TRANSPORT EQPT.	63359.3	122.5	69.7	24.7	0.0	8.7	333.3	26.8	41.7	503.8
32 INSTRUMENTS	659.2	6749.8	25.7	19.1	0.0	6.7	37.0	18.8	21.0	378.5
33 MISCELLANEOUS MFG.	163.4	44.0	6091.5	7.1	0.0	2.6	28.5	19.0	18.4	402.6
61 U.S. MERCHANT MARINE	98.4	8.5	9.6	2587.6	0.0	3.1	47.1	5.4	60.7	118.2
62 FOREIGN SHIPS	114.6	15.2	22.4	2.2	0.0	0.8	10.9	2.4	16.6	42.6
39 SERVICE TO WATER TRANS.	11.7	1.0	1.2	308.6	0.0	1431.7	5.6	0.6	7.2	14.1
40 OTHER TRANS. AND STORAGE	2189.9	189.8	227.6	201.0	0.0	52.0	19152.9	134.4	700.7	2702.4
41 COMMUNICATIONS	610.9	90.5	70.7	32.9	0.0	12.2	276.4	10313.9	122.8	1996.1
42 UTILITIES	1199.0	130.4	151.6	42.2	0.0	28.5	337.3	152.7	19960.8	3128.8
43 WHOLESALE/RETAIL	2871.2	386.4	434.7	91.7	0.0	34.8	888.2	205.4	394.0	124856.0
44 FINANCE INS. AND R.E.	2243.4	326.1	326.0	183.1	0.0	73.6	1278.5	400.3	861.2	11355.7
45 SERVICES	3763.5	500.8	456.9	160.1	0.0	63.2	1114.6	1075.4	678.7	11291.2
46 GOVERNMENT ENTERPRISE	463.3	54.1	59.5	74.1	0.0	177.3	657.3	90.3	3054.7	2675.7
47 NONCOMPETITIVE IMPORTS	166.8	13.1	131.4	266.9	0.0	94.3	183.6	67.9	78.6	197.4
48 COMPETITIVE IMPORTS	2300.2	356.6	511.0	42.7	0.0	12.5	224.8	47.6	296.1	821.3
49 DUMMY INDUSTRIES	1359.2	177.2	143.4	37.8	0.0	14.5	229.2	191.5	193.2	2469.5
50 MISCELLANEOUS INDUSTRIES	0.6	0.0	0.2	0.0	0.0	0.0	1.2	0.0	0.0	0.0
51 INVENTORY VALUE ADJ.	0.0	0.3	0.3	0.0	0.0	0.0	1.0	0.0	0.2	0.0
52 COLUMN SUM	117164.2	12766.0	12443.5	5013.6	0.0	2177.8	29219.4	14203.0	31841.1	166402.0

TABLE H1, INTER[illegible] TABLE OF THE U.S. ECONOMY, 1967/DIRECT AND INDIRECT/(IN [illegible] MILLION)

	44	45	46	47	48	50	51	52
1 LIVESTOCK AND PRODUCTS	1305.4	478.5	19.0	0.0	0.0	-11.0	0.0	32637.6
2 OTHER AGRICULTURAL PROD.	1452.8	562.5	87.0	0.0	0.0	-3.3	0.0	28537.6
3 FOREST AND FISH PRODUCTS	263.4	104.7	7.6	0.0	0.0	-1.4	0.0	4615.3
4 IRON ORES MINING	44.3	62.0	2.2	0.0	0.0	-0.5	0.0	1744.5
5 NONFERROUS ORES [illegible]	47.7	52.3	2.1	0.0	0.0	-0.5	0.0	1646.2
6 CRUDE OIL AND NATURAL GAS	712.4	626.5	49.9	0.0	0.0	-2.1	0.0	15731.8
7 OTHER MINING	288.5	208.4	47.3	0.0	0.0	-0.8	0.0	6541.5
8 CONSTRUCTION	5744.8	1765.7	357.0	0.0	0.0	-3.0	0.0	126281.3
9 ORDNANCE AND ACCESSORIES	23.4	33.3	0.6	0.0	0.0	-0.5	0.0	1273.9
10 FOOD PRODUCTS AND TOBACCO	815.7	1207.5	43.6	0.0	0.0	-59.6	0.0	57392.4
11 TEXTILE AND APPAREL	372.6	788.5	20.0	0.0	0.0	-3.3	0.0	47483.5
12 LUMBER AND WOOD PRODUCTS	558.2	415.6	49.7	0.0	0.0	-1.9	0.0	21391.6
13 PAPER AND PRODUCTS	967.4	2442.0	28.5	0.0	0.0	-14.8	0.0	22764.6
14 PRINTING AND PUBLISHING	1306.7	7547.8	34.6	0.0	0.0	-22.1	0.0	22118.3
15 CHEMICALS AND PRODUCTS	824.2	1274.8	57.4	0.0	0.0	-4.2	0.0	23184.2
16 OTHER CHEMICAL PRODUCTS	344.3	1345.0	18.5	0.0	0.0	-1.8	0.0	15496.9
17 PETROLEUM REFINING	1121.2	1011.0	64.3	0.0	0.0	-4.1	0.0	26974.8
18 RUBBER AND PLASTICS	549.6	1393.8	28.7	0.0	0.0	-3.6	0.0	22231.0
19 LEATHER AND PRODUCTS	33.0	197.0	1.2	0.0	0.0	-0.7	0.0	5336.4
20 GLASS AND PRODUCTS	75.3	180.0	3.5	0.0	0.0	-0.7	0.0	3806.0
21 STONE AND CLAY PRODUCTS	529.7	396.0	31.6	0.0	0.0	-0.7	0.0	11019.9
22 PRIMARY IRON AND STEEL	783.2	1168.4	41.0	0.0	0.0	-6.2	0.0	31737.9
23 PRIMARY NONFERROUS METALS	561.4	722.9	27.7	0.0	0.0	-4.6	0.0	22873.9
24 HTNG,PLMG,AND STRL. METAL	580.6	211.8	33.6	0.0	0.0	-0.9	0.0	12509.9
25 OTHER FABRICATED METALS	582.1	1952.2	28.6	0.0	0.0	-5.5	0.0	25164.9
26 ENGINES AND TURBINES	44.4	119.5	4.8	0.0	0.0	-0.4	0.0	3825.7
27 MACHINERY AND EQUIPMENT	630.2	1175.9	24.5	0.0	0.0	-3.0	0.0	39447.6
28 OFFICE MACHINES	312.5	351.9	6.0	0.0	0.0	-0.6	0.0	11961.7
29 OTHER ELECTRICAL EQPT.	712.7	1342.1	23.9	0.0	0.0	-4.5	0.0	48273.9
30 SHIPBUILDING AND REPAIR	12.1	10.1	1.6	0.0	0.0	-0.1	0.0	2558.9
31 OTHER TRANSPORT EQPT.	389.9	1339.1	15.0	0.0	0.0	-3.5	0.0	71014.4
32 INSTRUMENTS	203.6	878.9	6.5	0.0	0.0	-3.3	0.0	10967.5
33 MISCELLANEOUS MFG.	180.8	887.5	5.4	0.0	0.0	-5.5	0.0	9356.0
61 U.S. MERCHANT MARINE	107.6	96.1	22.6	0.0	0.0	-0.8	0.0	4231.0
62 FOREIGN SHIPS	34.8	45.1	1.8	0.0	0.0	-0.5	0.0	1193.3
39 SERVICE TO WATER TRANS.	12.8	11.5	2.7	0.0	0.0	-0.1	0.0	1735.8
40 OTHER TRANS. AND STORAGE	2187.6	2264.9	280.6	0.0	0.0	-54.4	0.0	46011.9
41 COMMUNICATIONS	1319.2	3699.2	30.0	0.0	0.0	-2.6	0.0	22511.2
42 UTILITIES	1394.0	2449.9	305.8	0.0	0.0	-3.5	0.0	37339.6
43 WHOLESALE/RETAIL	3032.6	4223.2	110.8	0.0	0.0	-15.9	0.0	163366.8
44 FINANCE INS. AND R.E.	114587.3	8063.3	206.4	0.0	0.0	-10.8	0.0	161011.9
45 SERVICES	8304.4	94934.3	216.4	0.0	0.0	-28.0	0.0	158156.2
46 GOVERNMENT ENTERPRISE	2073.9	1544.4	3140.1	0.0	0.0	-3.1	0.0	17338.4
47 NONCOMPETITIVE IMPORTS	174.5	197.6	68.6	-3825.8	0.0	-1.4	0.0	-0.1
48 COMPETITIVE IMPORTS	613.2	925.9	29.2	0.0	-22570.3	-14.5	1763.0	0.0
49 DUMMY INDUSTRIES	1595.5	2493.5	40.0	0.0	0.0	-154.8	0.0	15804.2
50 MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	92634.8	92634.8
51 INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1843.0
52 COLUMN SUM	157751.1	153254.1	5608.0	-3825.8	-22570.3	-451.9	94397.8	-1843.0
								1519761.5

TABLE H2. INTERINDUSTRY EMPLOYMENT IMPACT TABLE OF THE U.S. ECONOMY,1967/DIRECT AND INDIRECT/

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	148869.8	29298.2	2286.6	11.8	24.0	71.8	125.6	17489.0	1733.8	1520425.4
2	OTHER AGRICULTURAL PROD.	58939.2	542528.3	5558.2	17.5	34.7	99.4	192.6	34200.1	2364.3	1099349.3
3	FOREST AND FISH PRODUCTS	6432.4	25059.6	30722.8	4.5	12.8	21.4	34.1	35531.7	867.5	111626.3
4	IRON ORES MINING	18.1	79.9	3.5	1276.7	15.6	5.9	29.6	4719.7	745.3	1005.7
5	NONFERROUS ORES MINING	38.6	203.1	6.2	64.6	6533.5	7.2	69.0	10562.0	1391.6	1664.9
6	CRUDE OIL AND NATURAL GAS	583.3	3125.7	83.3	11.4	28.3	6409.7	250.0	23734.7	1221.2	15215.1
7	OTHER MINING	481.3	3106.1	56.6	33.7	77.0	48.1	5149.6	69927.0	2340.5	16493.1
8	CONSTRUCTION	2055.1	7211.8	158.1	92.6	137.1	599.2	631.2	3341105.7	4186.1	52666.1
9	ORDNANCE AND ACCESSORIES	11.1	46.4	2.3	0.5	1.7	2.7	7.1	1500.4	289365.9	4702.2
10	FOOD PRODUCTS AND TOBACCO	7550.4	22600.3	300.1	7.7	19.5	40.8	93.7	14281.6	1762.5	1717292.2
11	TEXTILE AND APPAREL	854.3	3846.8	997.4	21.2	29.9	52.1	549.6	58411.0	6325.3	37816.3
12	LUMBER AND WOOD PRODUCTS	648.2	3116.8	189.6	25.8	110.7	75.8	362.4	514532.8	7563.4	34633.0
13	PAPER AND PRODUCTS	1054.0	2388.7	555.3	14.6	35.5	62.2	337.3	48417.2	5999.9	123654.1
14	PRINTING AND PUBLISHING	912.0	3051.3	103.6	28.5	49.1	110.6	302.0	46065.9	4514.3	62686.5
15	CHEMICALS AND PRODUCTS	2113.0	15942.6	270.6	40.9	177.5	130.5	607.1	32577.5	8020.0	58444.0
16	OTHER CHEMICAL PRODUCTS	254.6	657.3	24.3	4.1	9.2	20.7	47.3	31745.4	810.8	11757.5
17	PETROLEUM REFINING	439.5	2420.7	64.7	5.4	14.9	19.7	160.9	17984.1	767.8	10662.3
18	RUBBER AND PLASTICS	867.4	3782.5	148.2	40.7	75.6	80.9	538.4	60028.3	7831.0	56414.8
19	LEATHER AND PRODUCTS	103.3	164.4	15.4	1.4	2.8	5.2	17.5	2953.4	326.4	2506.8
20	GLASS AND PRODUCTS	275.9	260.2	16.7	2.0	4.3	10.5	22.8	18134.1	1136.0	47357.9
21	STONE AND CLAY PRODUCTS	315.8	1387.4	35.1	14.3	41.1	155.2	997.7	285992.1	2225.7	10067.2
22	PRIMARY IRON AND STEEL	572.5	2115.4	117.9	101.5	275.0	221.5	981.2	179271.8	28747.2	35660.2
23	PRIMARY NONFERROUS METALS	234.1	983.8	40.8	17.0	39.1	53.2	209.0	95324.8	12577.2	11794.3
24	HTNG,PLMG,AND STRL. METAL	224.4	808.5	20.6	10.7	20.2	106.0	121.0	306037.3	1243.3	6527.5
25	OTHER FABRICATED METALS	1089.2	2603.0	306.7	27.2	93.7	148.1	592.2	118043.0	17314.7	102236.9
26	ENGINES AND TURBINES	33.2	149.5	17.5	7.9	38.5	39.5	189.2	5590.7	828.0	1258.9
27	MACHINERY AND EQUIPMENT	862.2	5200.4	110.3	84.9	461.7	303.5	1406.7	89518.1	17563.4	35792.1
28	OFFICE MACHINES	60.6	231.1	7.5	2.5	5.1	14.6	25.5	29911.9	1298.2	2232.8
29	OTHER ELECTRICAL EQPT.	468.7	1910.1	62.3	22.4	57.2	271.7	327.0	144251.7	30409.2	15727.4
30	SHIPBUILDING AND REPAIR	21.8	77.4	2.6	0.9	1.7	2.5	9.0	2565.3	178.2	885.4
31	OTHER TRANSPORT EQPT.	204.3	713.8	78.4	16.0	27.2	26.5	90.2	15064.3	42026.9	8193.5
32	INSTRUMENTS	128.7	473.0	19.2	5.3	12.8	30.7	55.4	22814.7	8830.2	6413.5
33	MISCELLANEOUS MFG.	155.9	566.4	47.0	5.8	14.1	22.3	70.0	19160.3	1335.3	7094.8
61	U.S. MERCHANT MARINE	211.5	722.0	22.1	7.5	6.9	10.6	53.5	7457.3	502.5	8487.5
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	53.7	183.3	5.6	1.9	1.8	2.7	13.6	1893.2	127.6	2154.7
40	OTHER TRANS. AND STORAGE	6613.3	13889.7	674.0	111.8	264.1	371.6	1357.8	283631.4	20266.5	260498.6
41	COMMUNICATIONS	953.9	2833.5	74.6	21.8	46.3	83.2	254.1	44768.1	6956.3	38032.7
42	UTILITIES	707.5	2717.9	72.8	64.1	134.0	126.5	719.9	29503.9	3569.9	31082.5
43	WHOLESALE/RETAIL	20195.2	54115.5	1837.2	211.7	609.9	935.5	3903.4	938012.2	50901.3	618053.4
44	FINANCE INS. AND R.E.	4103.7	18188.3	535.0	187.9	206.3	1406.8	1510.3	92582.9	6848.6	104837.2
45	SERVICES	10083.3	40314.9	891.4	351.3	468.6	1063.0	3587.8	562512.7	43902.3	467993.7
46	GOVERNMENT ENTERPRISE	902.6	3052.1	97.8	45.5	93.1	139.1	497.3	39530.2	3971.0	37396.8
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	280717.7	801787.9	46039.9	3031.7	10392.1	13384.7	57119.2	7497339.3	352859.0	6594563.3

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	[illegible]	[illegible]	1[illegible]	1[illegible]	1[illegible]	[illegible]	[illegible]	1[illegible]	[illegible]	63.0
2	OTHER AGRICULTURAL PROD.	[illegible]	1[illegible]	15[illegible]	1975.9	1[illegible]	[illegible]	[illegible]	2[illegible]	[illegible]	43.4
3	FOREST AND FISH PRODUCTS	[illegible]	[illegible]	1[illegible]	602.7	[illegible]	1[illegible]	[illegible]	[illegible]	[illegible]	16.9
4	IRON ORE MINING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3.5
5	NONFERROUS ORE MINING	[illegible]	[illegible]	[illegible]	13[illegible]	[illegible]	2271	[illegible]	[illegible]	[illegible]	20.4
6	CRUDE OIL AND NATURAL GAS	[illegible]	[illegible]	6[illegible]	751.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18[illegible]
7	OTHER MINING	[illegible]	[illegible]	1713.4	1[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	46[illegible]
8	CONSTRUCTION	[illegible]	[illegible]	21[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	43[illegible]
9	ORDNANCE AND ACCESSORIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	105.4	[illegible]	[illegible]	[illegible]	4.3
10	FOOD PRODUCTS	[illegible]	[illegible]	1[illegible]	17[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	63.7
11	TEXTILE AND APPAREL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12	LUMBER AND WOOD PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	824.2
13	PAPER AND PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
14	PRINTING AND PUBLISHING	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	236.9
15	CHEMICALS AND PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	11509.3	19897.2	[illegible]	[illegible]	[illegible]	554.7
16	OTHER CHEMICAL PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	117.4
17	PETROLEUM REFINING	[illegible]	[illegible]	[illegible]	[illegible]	94802.3	[illegible]	[illegible]	[illegible]	[illegible]	45.6
18	RUBBER AND PLASTICS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	159419.8	[illegible]	[illegible]	754.8
19	LEATHER AND PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	14.2
20	GLASS AND PRODUCTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
21	STONE AND CLAY PRODUCTS	3539.5	3462.7	710.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	PRIMARY IRON AND STEEL	5796.1	10794.4	1621.6	2093.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	172.3
23	PRIMARY NONFERROUS METALS	2787.0	2442.8	[illegible]	1136.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	197.9
24	MTNG,PLMG,AND STRL. METAL	1471.2	1097.7	282.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	OTHER FABRICATED METALS	8647.9	13775.8	2775.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	198.5
26	ENGINES AND TURBINES	307.2	158.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	MACHINERY AND EQUIPMENT	11495.3	4717.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	265.4
28	OFFICE MACHINES	597.2	505.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	OTHER ELECTRICAL EQPT.	4591.3	2458.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	SHIPBUILDING AND REPAIR	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	OTHER TRANSPORT EQPT.	1953.1	1265.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
32	INSTRUMENTS	3052.4	1326.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
33	MISCELLANEOUS MFG.	16605.1	1634.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
61	U.S. MERCHANT MARINE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
62	FOREIGN SHIPS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
39	SERVICE TO WATER TRANS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
40	OTHER TRANS. AND STORAGE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	COMMUNICATIONS	10542.8	3162.5	1333.2	4919.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	UTILITIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
43	WHOLESALE/RETAIL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
44	FINANCE INS. AND R.E.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
45	SERVICES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
46	GOVERNMENT ENTERPRISE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
47	NONCOMPETITIVE IMPORTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
48	COMPETITIVE IMPORTS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
49	DUMMY INDUSTRIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
50	MISCELLANEOUS INDUSTRIES	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
51	INVENTORY VALUE ADJ.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
52	COLUMN SUM	[illegible]	733775.2	[illegible]	503024.4	2651[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	102.0	333.9	419.6	375.9	586.6	337.2	3815.9	1828.6	4803.7	337.1
2	OTHER AGRICULTURAL PROD.	159.3	412.3	404.5	481.2	777.4	426.4	4947.1	2321.6	6525.1	454.9
3	FOREST AND FISH PRODUCTS	45.2	102.1	120.0	151.2	251.2	110.5	1387.3	662.7	2562.8	193.1
4	IRON ORES MINING	25.2	1229.0	54.3	416.1	699.1	251.4	2910.1	545.8	1487.6	246.5
5	NONFERROUS ORES MINING	51.7	338.6	3173.7	489.1	778.2	424.8	3250.8	1354.2	5030.9	388.0
6	CRUDE OIL AND NATURAL GAS	163.5	260.6	196.9	244.2	437.6	248.6	2900.9	861.4	3040.8	243.3
7	OTHER MINING	2430.5	1907.2	303.9	795.7	1448.0	623.5	6791.7	1748.5	5885.6	585.9
8	CONSTRUCTION	533.2	1198.8	702.6	1067.8	1777.8	969.0	11309.4	4138.6	12898.5	1103.7
9	ORDNANCE AND ACCESSORIES	4.8	22.9	19.2	85.3	121.6	451.5	1151.8	432.2	4329.1	392.3
10	FOOD PRODUCTS AND TOBACCO	88.3	359.0	468.7	381.8	589.3	347.5	3730.1	1793.8	4644.3	334.6
11	TEXTILE AND APPAREL	608.1	406.5	464.0	607.5	1458.8	713.0	8130.4	3487.9	12990.2	784.8
12	LUMBER AND WOOD PRODUCTS	314.0	568.4	689.3	1161.0	1997.3	637.3	9161.2	4506.0	22581.7	1849.8
13	PAPER AND PRODUCTS	767.8	478.2	550.9	1019.8	2666.3	879.5	8243.0	6119.6	22291.6	670.8
14	PRINTING AND PUBLISHING	247.7	760.0	804.4	911.3	2370.2	845.5	9094.3	8015.8	14071.5	832.0
15	CHEMICALS AND PRODUCTS	488.9	775.8	689.2	619.9	1621.4	508.4	6332.9	2942.8	13732.4	476.3
16	OTHER CHEMICAL PRODUCTS	55.2	103.2	94.4	434.9	707.9	172.8	2005.7	1114.9	3382.5	232.5
17	PETROLEUM REFINING	97.7	139.0	102.1	141.5	252.2	156.4	1827.4	526.2	1851.3	144.1
18	RUBBER AND PLASTICS	609.2	462.3	952.5	751.0	2398.4	926.1	16544.7	7519.2	33332.6	803.1
19	LEATHER AND PRODUCTS	31.2	49.7	76.2	57.0	154.9	85.3	980.5	363.1	1324.8	62.7
20	GLASS AND PRODUCTS	31.3	65.5	60.4	464.3	290.8	101.3	1443.4	1285.4	15050.2	345.7
21	STONE AND CLAY PRODUCTS	28119.2	519.2	299.1	606.8	1060.9	1183.9	11929.2	3556.9	12104.4	1034.7
22	PRIMARY IRON AND STEEL	592.7	48485.6	1713.6	16338.9	27367.2	9836.2	114041.4	21141.7	56721.9	9651.5
23	PRIMARY NONFERROUS METALS	156.4	1605.8	32324.8	4340.6	6818.3	3804.5	28302.6	12700.3	40518.2	3558.2
24	HTNG,PLMG,AND STRL. METAL	94.4	308.7	133.2	64854.8	927.4	559.1	10794.3	5257.4	4463.2	5090.3
25	OTHER FABRICATED METALS	483.1	1773.1	1139.8	4239.3	112358.4	3777.9	41880.4	18077.1	51677.2	3728.4
26	ENGINES AND TURBINES	43.3	77.1	66.3	208.0	224.3	51850.0	11220.2	591.5	3185.1	3364.8
27	MACHINERY AND EQUIPMENT	798.5	2796.2	1832.8	4010.2	6696.7	11740.1	947415.0	16893.5	36128.5	10049.7
28	OFFICE MACHINES	27.5	67.4	51.5	861.3	404.8	153.6	3186.0	270343.3	9088.8	232.8
29	OTHER ELECTRICAL EQPT.	276.2	1306.5	1388.8	2369.7	2423.6	5405.0	46025.0	81880.1	1305376.1	2848.2
30	SHIPBUILDING AND REPAIR	10.6	38.6	13.7	377.3	82.4	401.7	1435.5	112.0	270.9	117202.3
31	OTHER TRANSPORT EQPT.	71.0	434.7	285.1	835.0	1910.8	4842.3	13695.9	6210.0	16838.8	1485.7
32	INSTRUMENTS	58.7	262.4	162.4	641.7	700.9	446.0	5871.5	4673.9	14324.9	712.9
33	MISCELLANEOUS MFG.	171.2	194.6	247.6	234.0	611.8	214.9	2950.9	2048.2	5503.7	212.4
61	U.S. MERCHANT MARINE	101.0	354.4	83.1	172.9	296.4	124.4	1381.8	356.3	1198.9	119.0
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	25.6	90.0	21.1	43.9	75.2	31.6	350.8	90.5	304.4	30.2
40	OTHER TRANS. AND STORAGE	3063.1	6175.1	4629.5	5593.2	8945.9	4393.0	47054.6	17474.5	51977.3	4918.8
41	COMMUNICATIONS	311.1	581.9	445.3	994.2	1416.3	942.7	11651.0	4978.3	16404.8	1128.7
42	UTILITIES	609.9	1240.1	980.9	977.5	1768.6	807.0	9314.0	2937.6	14883.3	931.6
43	WHOLESALE/RETAIL	3048.1	7934.6	8523.3	11360.3	15847.5	12401.1	132660.3	58723.1	158839.9	12774.6
44	FINANCE INS. AND R.E.	791.6	1214.5	1157.4	1877.0	2884.5	1551.4	23365.1	11291.4	27482.9	1673.6
45	SERVICES	2717.0	6420.5	4496.8	8027.6	12999.4	7627.9	90165.4	39067.2	127947.2	7724.1
46	GOVERNMENT ENTERPRISE	473.3	934.8	745.4	906.5	1532.8	821.2	9527.2	3614.8	11739.6	913.5
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	48916.7	92789.1	71168.2	140529.4	229739.0	132551.7	1670596.5	633306.2	2160716.0	199865.2

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	9419.6	1397.6	1571.9	397.5	0.0	183.7	3622.9	1232.4	2251.6	32745.9
2	OTHER AGRICULTURAL PROD.	14465.8	2312.3	2975.9	682.5	0.0	539.7	6381.2	1664.8	7892.1	41852.5
3	FOREST AND FISH PRODUCTS	4893.5	528.7	1124.3	131.0	0.0	68.5	1079.4	376.1	1041.3	14440.8
4	IRON ORES MINING	5267.2	250.5	247.7	67.9	0.0	24.3	200.4	41.2	149.9	589.2
5	NONFERROUS ORES MINING	7449.9	1034.9	874.3	141.8	0.0	50.9	270.9	109.0	267.1	1208.2
6	CRUDE OIL AND NATURAL GAS	6151.5	724.9	789.5	883.6	0.0	331.7	7897.0	728.8	27748.9	17415.4
7	OTHER MINING	13569.4	1316.3	1387.6	357.1	0.0	210.2	1974.3	606.5	23096.1	10098.3
8	CONSTRUCTION	25407.3	3086.1	2836.2	2404.3	0.0	1447.0	27450.6	12282.1	40761.7	63547.0
9	ORDNANCE AND ACCESSORIES	13545.8	554.7	181.9	38.8	0.0	13.8	141.5	57.1	73.0	1512.2
10	FOOD PRODUCTS AND TOBACCO	8717.0	1352.5	1400.2	322.0	0.0	145.6	3276.2	1136.3	1799.5	31895.5
11	TEXTILE AND APPAREL	81243.7	8055.6	17379.1	2582.9	0.0	906.4	6072.7	1218.7	3190.8	36080.4
12	LUMBER AND WOOD PRODUCTS	40024.5	3261.2	9479.9	524.3	0.0	242.5	3735.7	1604.5	4591.1	29213.5
13	PAPER AND PRODUCTS	24285.8	7817.0	13312.3	745.6	0.0	279.8	4671.0	2167.8	3203.7	71728.6
14	PRINTING AND PUBLISHING	25171.0	3342.5	4096.4	940.4	0.0	387.0	6973.7	6094.1	4588.4	73914.7
15	CHEMICALS AND PRODUCTS	19137.7	5692.6	4285.8	443.3	0.0	197.9	3168.9	740.2	3446.6	19292.3
16	OTHER CHEMICAL PRODUCTS	7529.3	1265.3	1294.5	445.1	0.0	167.5	1290.1	488.5	885.6	10678.7
17	PETROLEUM REFINING	3810.0	454.6	509.7	693.8	0.0	246.9	6097.5	440.5	1971.7	11088.4
18	RUBBER AND PLASTICS	60730.3	8381.9	17297.1	795.1	0.0	270.6	6948.0	1535.1	3069.1	38360.1
19	LEATHER AND PRODUCTS	1969.6	497.9	3138.9	53.0	0.0	21.1	293.5	206.7	213.8	5086.4
20	GLASS AND PRODUCTS	19492.2	2307.8	1398.1	443.2	0.0	157.9	1114.9	276.1	451.6	8043.2
21	STONE AND CLAY PRODUCTS	15834.2	1442.0	1576.7	434.4	0.0	206.3	3191.2	1279.4	4744.3	14637.4
22	PRIMARY IRON AND STEEL	205752.2	9391.8	9387.1	2627.4	0.0	936.4	7622.8	1541.1	5425.5	21462.4
23	PRIMARY NONFERROUS METALS	66863.4	9203.3	8287.6	1310.1	0.0	466.5	2201.2	968.7	2051.0	9545.9
24	HTNG,PLMG,AND STRL. METAL	12420.3	802.2	620.0	552.9	0.0	246.8	2794.6	1199.4	4074.1	12504.4
25	OTHER FABRICATED METALS	177460.9	11649.3	8913.6	2993.4	0.0	1055.5	5463.5	1698.9	3889.3	29719.9
26	ENGINES AND TURBINES	14867.1	213.0	122.6	343.6	0.0	120.4	979.4	89.6	515.6	1596.5
27	MACHINERY AND EQUIPMENT	139245.5	7467.0	3493.2	2130.5	0.0	760.0	5607.2	1222.5	5030.8	28067.1
28	OFFICE MACHINES	16707.8	836.6	797.3	85.0	0.0	37.1	642.6	306.3	558.8	6547.4
29	OTHER ELECTRICAL EQPT.	123780.1	22796.8	6171.1	920.3	0.0	344.3	6141.6	8018.3	5790.0	34583.5
30	SHIPBUILDING AND REPAIR	3992.8	124.2	46.8	6507.7	0.0	2214.9	179.4	30.6	212.9	616.7
31	OTHER TRANSPORT EQPT.	1614181.0	3121.3	1775.4	630.1	0.0	221.0	8492.1	683.3	1061.7	12835.9
32	INSTRUMENTS	27045.4	276945.6	1055.4	783.1	0.0	275.0	1517.3	773.1	862.1	15531.6
33	MISCELLANEOUS MFG.	8398.5	2015.3	278894.3	326.6	0.0	117.3	1305.8	868.7	840.7	18432.2
61	U.S. MERCHANT MARINE	3013.1	259.5	295.5	79262.6	0.0	95.9	1443.9	164.0	1858.7	3621.7
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	764.9	65.9	75.0	20122.5	0.0	80322.6	366.6	41.6	471.9	919.4
40	OTHER TRANS. AND STORAGE	130869.8	11341.6	13601.2	12013.0	0.0	2989.8	1143391.0	8031.1	41872.9	161495.2
41	COMMUNICATIONS	26313.3	3898.6	3046.0	1418.1	0.0	526.3	11904.8	444231.6	5288.5	85974.8
42	UTILITIES	20631.1	2243.5	2264.2	725.6	0.0	491.2	5804.5	2627.5	343475.7	53838.7
43	WHOLESALE/RETAIL	283898.8	38204.2	42982.5	9069.8	0.0	3439.1	87817.7	20309.4	38962.1	12345577.0
44	FINANCE INS. AND R.E.	44936.7	6532.4	6530.3	3668.1	0.0	1474.0	25608.7	9540.6	17251.1	227458.8
45	SERVICES	253120.0	33682.6	30729.9	10765.5	0.0	4250.1	74965.5	72326.6	45648.6	759410.3
46	GOVERNMENT ENTERPRISE	22768.9	2658.9	2924.4	3643.4	0.0	8711.4	31320.8	4439.3	150119.2	131502.4
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	3605147.1	498529.3	509171.6	173426.7	0.0	115194.7	1521362.7	613198.2	812715.4	14494653.0

TABLE H2. INTERINDUSTRY EMPLOYMENT IMPACT TABLE OF THE U.S. ECONOMY,1967/DIRECT AND INDIRECT/

		44	45	46	47	48	49	50	51	52
1	LIVESTOCK AND PRODUCTS	74011.9	27130.6	1074.8	0.0	0.0	-622.5	0.0	0.0	1736992.6
2	OTHER AGRICULTURAL PROD.	108066.0	41844.9	6474.2	0.0	0.0	-619.3	0.0	0.0	2122782.3
3	FOREST AND FISH PRODUCTS	18118.5	7213.6	522.1	0.0	0.0	-98.8	0.0	0.0	317990.4
4	IRON ORES MINING	651.1	909.8	32.7	0.0	0.0	-4.7	0.0	0.0	25611.1
5	NONFERROUS ORES MINING	1559.3	1708.5	67.9	0.0	0.0	-9.9	0.0	0.0	53661.2
6	CRUDE OIL AND NATURAL GAS	13072.9	11495.0	916.4	0.0	0.0	-58.6	0.0	0.0	275822.4
7	OTHER MINING	11389.6	10281.5	1868.2	0.0	0.0	-50.5	0.0	0.0	258266.0
8	CONSTRUCTION	221058.6	68128.8	13775.9	0.0	0.0	-138.7	0.0	0.0	3985051.3
9	ORDNANCE AND ACCESSORIES	690.8	984.1	16.9	0.0	0.0	-16.0	0.0	0.0	317137.9
10	FOOD PRODUCTS AND TOBACCO	15684.9	23221.4	838.8	0.0	0.0	-762.1	0.0	0.0	1872826.6
11	TEXTILE AND APPAREL	18488.3	39123.7	994.5	0.0	0.0	-162.1	0.0	0.0	2356024.3
12	LUMBER AND WOOD PRODUCTS	27453.9	20444.2	1461.8	0.0	0.0	-91.1	0.0	0.0	1052180.4
13	PAPER AND PRODUCTS	27070.1	72849.9	849.5	0.0	0.0	-441.5	0.0	0.0	679118.1
14	PRINTING AND PUBLISHING	61904.3	357563.2	1637.3	0.0	0.0	-950.4	0.0	0.0	1047815.8
15	CHEMICALS AND PRODUCTS	16674.1	25790.3	1162.2	0.0	0.0	-85.0	0.0	0.0	469241.1
16	OTHER CHEMICAL PRODUCTS	6978.2	27263.7	375.7	0.0	0.0	-36.0	0.0	0.0	314118.7
17	PETROLEUM REFINING	7614.6	6866.1	436.7	0.0	0.0	-27.9	0.0	0.0	183198.7
18	RUBBER AND PLASTICS	17840.8	45242.2	932.6	0.0	0.0	-117.7	0.0	0.0	721633.8
19	LEATHER AND PRODUCTS	2171.6	12967.3	77.3	0.0	0.0	-42.9	0.0	0.0	351322.2
20	GLASS AND PRODUCTS	3446.5	8239.6	160.7	0.0	0.0	-33.4	0.0	0.0	174228.1
21	STONE AND CLAY PRODUCTS	22385.9	16735.3	1337.0	0.0	0.0	-28.1	0.0	0.0	465742.1
22	PRIMARY IRON AND STEEL	22631.3	33762.4	1184.3	0.0	0.0	-179.9	0.0	0.0	917130.8
23	PRIMARY NONFERROUS METALS	10905.2	14043.2	538.1	0.0	0.0	-88.6	0.0	0.0	405476.4
24	HTNG,PLMG,AND STRL, METAL	22424.9	8181.1	1296.6	0.0	0.0	-33.3	0.0	0.0	483195.7
25	OTHER FABRICATED METALS	20352.2	68253.2	998.4	0.0	0.0	-193.6	0.0	0.0	879826.6
26	ENGINES AND TURBINES	1212.3	3262.4	131.4	0.0	0.0	-9.6	0.0	0.0	104412.8
27	MACHINERY AND EQUIPMENT	23926.2	44643.3	930.9	0.0	0.0	-115.6	0.0	0.0	1497577.0
28	OFFICE MACHINES	9616.8	10830.2	185.3	0.0	0.0	-17.0	0.0	0.0	368121.9
29	OTHER ELECTRICAL EQPT.	29033.8	54676.3	974.5	0.0	0.0	-184.9	0.0	0.0	1958449.5
30	SHIPBUILDING AND REPAIR	664.6	555.6	87.3	0.0	0.0	-6.6	0.0	0.0	140079.5
31	OTHER TRANSPORT EQPT.	9932.1	34114.9	382.5	0.0	0.0	-88.4	0.0	0.0	1809208.7
32	INSTRUMENTS	8352.8	36063.1	267.4	0.0	0.0	-135.1	0.0	0.0	449997.6
33	MISCELLANEOUS MFG.	8279.0	40635.1	247.5	0.0	0.0	-241.0	0.0	0.0	428354.1
61	U.S. MERCHANT MARINE	3295.1	2944.4	691.2	0.0	0.0	-23.2	0.0	0.0	129603.8
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	836.5	747.5	175.5	0.0	0.0	-5.9	0.0	0.0	113201.0
40	OTHER TRANS. AND STORAGE	130733.4	135349.9	16767.0	0.0	0.0	-3249.1	0.0	0.0	2749694.4
41	COMMUNICATIONS	56820.2	159327.8	1292.4	0.0	0.0	-110.2	0.0	0.0	969586.4
42	UTILITIES	23987.7	42156.9	5261.9	0.0	0.0	-61.0	0.0	0.0	642520.5
43	WHOLESALE/RETAIL	299849.7	417570.5	10952.4	0.0	0.0	-1570.0	0.0	0.0	16153129.0
44	FINANCE INS. AND R.E.	2295232.5	161511.7	4134.2	0.0	0.0	-217.2	0.0	0.0	3225138.9
45	SERVICES	558528.3	6384966.9	14553.5	0.0	0.0	-1882.2	0.0	0.0	10099612.0
46	GOVERNMENT ENTERPRISE	101918.9	75895.6	154314.6	0.0	0.0	-152.1	0.0	0.0	852065.5
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	4515465.4	8555495.8	254379.2	0.0	0.0	-12961.5	0.0	0.0	63156486.0

TABLE H3, INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT, INDIRECT AND INDUCED/(IN $ MILLIONS)

	1	2	3	4	5	6	7	8	9	10
1 LIVESTOCK AND PRODUCTS	282,4	433,5	-23,3	3,9	13,4	22,3	55,5	73[illegible]	755,1	1059,1
2 OTHER AGRICULTURAL PROD.	92,2	3459,0	-33,6	3,3	8,8	17,0	47,4	6247,[illegible]	651,2	1259,2
3 FOREST AND FISH PRODUCTS	11,3	190,0	-156,2	2,5	1,5	3,5	7,7	1412,5	145,5	147,[illegible]
4 IRON ORES MINING	0,4	6,3	-,,2	87,3	1,2	,[illegible]	[illegible],7	440,[illegible]	[illegible],1	12,[illegible]
5 NONFERROUS ORES MINING	0,3	5,9	-0,2	2,0	200,1	,5	2,7	432,5	52,4	6,[illegible]
6 CRUDE OIL AND NATURAL GAS	8,2	151,3	-5,0	2,0	5,3	555,5	31,9	3892,7	352,8	169,7
7 OTHER MINING	2,5	54,4	-1,4	1,2	2,9	5,1	606,1	2451,9	125,7	56,[illegible]
8 CONSTRUCTION	11,9	181,7	-5,9	4,2	8,4	25,1	40,5	8999[illegible],9	457,5	240,5
9 ORDNANCE AND ACCESSORIES	0,4	5,9	-,,3	0,1	0,3	,5	1,0	232,9	9[illegible]3,5	5,1
10 FOOD PRODUCTS AND TOBACCO	63,0	698,3	-35,3	12,3	33,3	95,7	130,3	25284,[illegible]	2[illegible]7,4	6940,[illegible]
11 TEXTILE AND APPAREL	21,1	326,6	-20,5	5,8	15,2	29,5	69,0	11364,6	1179,7	495,4
12 LUMBER AND WOOD PRODUCTS	5,7	94,8	-4,4	1,7	5,6	8,1	24,3	8707,9	308,3	148,0
13 PAPER AND PRODUCTS	11,0	147,7	-11,6	2,5	6,8	13,1	43,1	5519,4	598,3	447,7
14 PRINTING AND PUBLISHING	10,0	149,8	-6,4	2,8	7,1	14,2	38,4	5193,0	529,5	273,9
15 CHEMICALS AND PRODUCTS	16,5	443,5	-8,7	3,9	13,2	15,1	49,5	4073,7	7[illegible]4,2	327,3
16 OTHER CHEMICAL PRODUCTS	6,6	95,2	-4,1	1,7	4,5	8,9	24,0	4379,[illegible]	352,5	162,5
17 PETROLEUM REFINING	15,5	294,5	-9,5	3,2	8,9	16,1	56,0	7313,3	593,1	312,[illegible]
18 RUBBER AND PLASTICS	9,2	149,6	-6,1	3,0	7,2	12,0	40,6	5238,9	584,4	265,[illegible]
19 LEATHER AND PRODUCTS	2,6	37,5	-1,8	0,7	1,9	3,7	10,2	1315,1	136,6	58,5
20 GLASS AND PRODUCTS	1,7	19,1	-0,9	0,3	0,9	1,9	4,9	975,3	64,0	94,[illegible]
21 STONE AND CLAY PRODUCTS	2,0	33,1	-1,1	0,7	1,9	5,5	25,1	7404,0	116,9	43,9
22 PRIMARY IRON AND STEEL	6,4	99,5	-4,5	4,7	12,8	14,2	47,0	8525,8	1202,4	184,5
23 PRIMARY NONFERROUS METALS	4,0	65,1	-2,7	1,7	4,1	6,9	20,7	6382,1	777,5	105,4
24 HTNG,PLMG,AND STRL. METAL	1,5	22,7	-0,8	0,5	1,2	4,0	6,3	8385,5	79,0	31,6
25 OTHER FABRICATED METALS	8,7	116,1	-6,9	2,3	6,8	11,8	36,9	6258,7	776,8	321,7
26 ENGINES AND TURBINES	0,5	8,0	-0,5	0,4	1,7	2,0	7,4	396,5	49,1	11,5
27 MACHINERY AND EQUIPMENT	5,4	108,9	-3,2	3,1	14,5	12,6	44,4	4001,0	610,7	135,2
28 OFFICE MACHINES	1,1	17,1	-0,7	0,3	0,8	1,8	4,4	1449,5	92,2	25,9
29 OTHER ELECTRICAL EQPT.	8,9	137,2	-5,9	2,7	7,2	18,1	38,5	7595,2	1140,7	204,3
30 SHIPBUILDING AND REPAIR	0,1	1,6	-0,1	0,0	0,1	0,1	0,4	81,9	6,8	2,6
31 OTHER TRANSPORT EQPT.	13,3	200,4	-9,8	4,1	10,5	19,5	54,3	7151,9	2271,8	310,4
32 INSTRUMENTS	2,2	34,0	-1,5	0,7	1,8	3,6	9,0	1562,6	312,0	54,7
33 MISCELLANEOUS MFG.	3,7	55,7	-2,7	1,0	2,8	5,4	15,0	2168,2	209,7	87,4
61 U.S. MERCHANT MARINE	1,6	23,6	-0,8	0,5	0,9	1,6	5,0	695,0	62,7	38,3
62 FOREIGN SHIPS	0,6	10,6	-1,2	4,5	6,8	2,0	3,5	520,1	35,0	18,4
39 SERVICE TO WATER TRANS.	0,2	3,1	-0,1	0,1	0,1	0,2	0,7	93,5	8,6	5,[illegible]
40 OTHER TRANS. AND STORAGE	24,8	308,2	-13,3	5,6	14,0	20,2	74,8	11848,1	1[illegible]69,[illegible]	603,1
41 COMMUNICATIONS	10,2	150,0	-6,2	2,7	7,1	13,8	37,8	5240,3	591,7	242,8
42 UTILITIES	17,9	278,5	-11,1	7,5	18,2	27,8	92,2	8952,1	951,1	439,1
43 WHOLESALE/RETAIL	84,6	1208,2	-51,0	19,8	54,3	104,1	293,8	43063,1	3986,[illegible]	1895,[illegible]
44 FINANCE INS. AND R.E.	88,7	1431,1	-56,6	20,1	64,4	171,[illegible]	542,9	42293,4	4031,[illegible]	1915,[illegible]
45 SERVICES	72,0	1124,5	-44,[illegible]	20,9	50,1	99,9	273,5	38192,7	3724,8	1777,[illegible]
46 GOVERNMENT ENTERPRISE	8,1	121,5	-5,0	2,6	6,6	12,[illegible]	34,1	4386,[illegible]	416,8	194,[illegible]
47 NONCOMPETITIVE IMPORTS	6,9	97,1	-5,6	1,8	4,7	9,2	25,6	3411,1	345,4	228,7
48 COMPETITIVE IMPORTS	10,9	171,6	-22,4	29,4	44,9	54,8	94,7	4851,1	502,9	269,[illegible]
49 DUMMY INDUSTRIES	7,4	110,7	-5,4	2,5	6,9	14,2	35,0	4676,5	505,7	195,5
50 MISCELLANEOUS INDUSTRIES	1,3	19,2	-,9	,4	1,3	1,9	5,2	67[illegible],5	[illegible]9,6	29,[illegible]
51 INVENTORY VALUE ADJ.	0,0	0,0	[illegible],7	0,0	[illegible],4	[illegible],1	[illegible],0	[illegible],[illegible]	[illegible],[illegible]	[illegible],[illegible]
52 COLUMN SUM	985,4	12901,7	-599,9	291,[illegible]	694,1	1241,5	3143,1	41[illegible]7,[illegible]	[illegible]5,1	42604,[illegible]

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	183,5	248,4	102,1	139,7	300,8	152,9	158,4	140,1	11,1	20,7
2	OTHER AGRICULTURAL PROD.	222,4	249,7	66,6	117,7	257,8	114,2	133,3	125,3	8,9	17,4
3	FOREST AND FISH PRODUCTS	37,2	216,8	19,1	19,8	43,3	17,7	21,5	20,7	1,4	3,1
4	IRON ORES MINING	3,7	11,8	3,1	3,6	21,6	4,5	5,3	5,3	0,2	0,5
5	NONFERROUS ORES MINING	3,5	7,4	2,7	3,4	30,3	4,5	4,6	5,6	2,2	0,5
6	CRUDE OIL AND NATURAL GAS	70,4	110,5	51,1	61,3	322,6	65,3	1338,3	83,9	3,6	9,9
7	OTHER MINING	24,2	37,6	28,4	21,0	214,1	29,8	35,4	40,3	1,3	7,4
8	CONSTRUCTION	96,1	152,0	70,6	92,0	227,5	81,5	187,3	98,1	5,2	14,7
9	ORDNANCE AND ACCESSORIES	4,2	9,7	2,9	4,3	10,6	3,5	4,5	4,5	0,2	0,6
10	FOOD PRODUCTS AND TOBACCO	497,8	741,0	327,2	446,5	967,1	427,2	499,9	406,0	35,1	66,3
11	TEXTILE AND APPAREL	3475,1	506,9	181,0	224,5	441,2	180,6	227,4	354,8	27,2	31,7
12	LUMBER AND WOOD PRODUCTS	60,8	3919,3	152,6	75,3	126,7	49,7	62,9	65,7	4,8	14,1
13	PAPER AND PRODUCTS	142,6	211,0	1778,7	463,6	294,8	153,9	124,9	185,4	9,5	35,1
14	PRINTING AND PUBLISHING	104,8	157,5	83,1	1944,6	204,8	102,0	112,3	101,6	6,8	14,3
15	CHEMICALS AND PRODUCTS	175,4	192,3	133,5	130,6	5012,2	333,4	183,5	495,7	9,8	22,9
16	OTHER CHEMICAL PRODUCTS	69,7	131,2	46,2	61,0	207,7	1017,2	80,3	81,2	4,9	10,6
17	PETROLEUM REFINING	124,9	199,0	90,4	109,0	621,9	120,3	3001,6	153,1	6,8	16,5
18	RUBBER AND PLASTICS	326,3	232,6	109,7	101,4	358,2	168,2	101,0	2243,0	16,5	20,0
19	LEATHER AND PRODUCTS	35,9	43,2	17,9	25,1	51,8	21,4	27,8	29,3	127,8	3,7
20	GLASS AND PRODUCTS	19,1	35,6	9,5	12,3	29,8	32,3	14,5	17,8	0,9	275,2
21	STONE AND CLAY PRODUCTS	20,5	53,6	16,1	16,7	58,5	20,1	40,2	26,4	1,1	7,8
22	PRIMARY IRON AND STEEL	65,9	226,0	56,3	64,8	212,8	74,7	96,3	83,9	4,3	9,3
23	PRIMARY NONFERROUS METALS	43,2	98,0	33,8	44,7	192,6	49,7	58,9	57,8	2,6	8,8
24	MTNG.PLMG.AND STRL. METAL	13,0	26,2	9,5	12,1	30,8	11,1	26,1	14,3	0,7	2,0
25	OTHER FABRICATED METALS	81,7	252,1	74,3	90,8	225,0	149,4	98,0	107,0	6,7	10,8
26	ENGINES AND TURBINES	5,0	8,4	3,6	4,4	13,0	4,3	10,5	5,3	0,3	0,7
27	MACHINERY AND EQUIPMENT	60,2	102,8	46,2	46,7	186,6	47,7	85,0	74,0	3,4	7,8
28	OFFICE MACHINES	11,7	21,8	8,0	10,8	23,8	10,0	13,6	11,4	0,7	1,6
29	OTHER ELECTRICAL EQPT.	95,0	153,1	62,5	87,1	193,3	76,6	119,9	92,6	5,3	13,5
30	SHIPBUILDING AND REPAIR	1,0	1,7	0,8	0,9	2,7	0,9	2,9	1,3	0,1	0,1
31	OTHER TRANSPORT EQPT.	144,8	228,2	93,2	130,7	279,6	114,3	149,8	143,6	8,1	20,8
32	INSTRUMENTS	27,5	45,1	18,9	39,5	51,0	27,1	28,9	25,7	1,7	3,9
33	MISCELLANEOUS MFG.	67,5	70,0	28,0	40,4	81,3	35,1	41,5	48,9	3,4	6,0
61	U.S. MERCHANT MARINE	12,7	23,1	10,5	10,9	40,9	11,5	52,4	15,8	0,7	1,7
62	FOREIGN SHIPS	8,3	34,4	6,6	4,6	20,9	5,1	22,2	6,9	0,4	1,5
39	SERVICE TO WATER TRANS.	1,7	3,1	1,4	1,5	5,3	1,5	6,5	2,1	0,1	0,2
40	OTHER TRANS. AND STORAGE	219,1	365,2	185,2	201,5	493,8	183,6	512,3	224,4	12,2	33,0
41	COMMUNICATIONS	109,3	163,1	70,2	112,5	207,1	91,8	109,3	103,8	6,1	14,4
42	UTILITIES	202,7	304,7	150,0	175,1	525,7	156,8	257,7	209,8	10,8	35,8
43	WHOLESALE/RETAIL	847,4	1268,9	531,9	723,9	1526,2	654,9	810,5	770,6	47,9	109,4
44	FINANCE INS. AND R.E.	862,2	1284,8	549,6	825,8	1712,2	694,4	1158,2	806,3	48,4	115,6
45	SERVICES	741,7	1124,7	486,7	715,5	1482,6	784,0	826,2	726,7	42,5	101,6
46	GOVERNMENT ENTERPRISE	89,3	131,0	60,0	98,8	192,6	72,5	102,6	84,9	5,0	13,3
47	NONCOMPETITIVE IMPORTS	76,0	107,6	45,4	63,2	143,0	59,6	75,4	84,3	4,3	9,5
48	COMPETITIVE IMPORTS	137,1	290,1	159,6	90,0	335,4	87,4	278,8	124,4	6,8	18,5
49	DUMMY INDUSTRIES	90,8	134,3	72,9	96,2	188,8	91,2	99,3	94,5	5,4	12,9
50	MISCELLANEOUS INDUSTRIES	14,1	21,2	9,0	12,8	26,3	13,7	14,3	13,1	3,6	1,9
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	COLUMN SUM	9727,2	13956,6	6006,7	7778,6	18196,8	7149,2	11219,9	8602,8	529,8	1145,1

TABLE H3, INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT, INDIRECT AND INDUCED/(IN $ MILLION)

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	27,8	103,9	78,4	129,7	151,8	228,3	1742,5	610,4	1429,9	191,4
2	OTHER AGRICULTURAL PROD.	23,4	86,7	65,3	106,3	120,8	189,7	1453,0	509,4	1195,3	159,3
3	FOREST AND FISH PRODUCTS	3,8	14,1	10,9	18,0	21,0	30,2	235,6	83,7	201,0	26,6
4	IRON ORES MINING	1,5	85,2	4,9	29,4	32,1	19,7	226,7	45,1	92,2	22,1
5	NONFERROUS ORES MINING	1,3	11,9	97,0	16,3	17,1	15,3	125,0	47,8	124,4	14,8
6	CRUDE OIL AND NATURAL GAS	15,1	50,6	37,0	58,6	68,8	95,3	779,9	259,6	621,3	82,1
7	OTHER MINING	38,5	57,4	14,3	31,0	36,5	35,6	329,1	96,2	229,4	32,3
8	CONSTRUCTION	21,1	78,6	52,5	80,5	99,3	131,4	1105,8	382,4	891,2	118,6
9	ORDNANCE AND ACCESSORIES	0,8	3,3	2,5	6,0	6,3	19,8	81,7	28,8	133,7	18,4
10	FOOD PRODUCTS AND TOBACCO	88,8	334,6	253,2	416,7	487,7	735,0	5594,8	1957,8	4588,8	614,4
11	TEXTILE AND APPAREL	46,1	151,0	112,8	191,5	230,0	337,9	2604,2	911,1	2175,9	285,5
12	LUMBER AND WOOD PRODUCTS	12,6	44,0	37,3	63,5	73,3	85,6	739,3	277,6	761,2	98,8
13	PAPER AND PRODUCTS	30,3	70,6	57,8	101,5	136,5	151,2	1208,1	515,0	1264,8	125,6
14	PRINTING AND PUBLISHING	19,2	75,1	59,6	92,9	118,7	150,8	1213,9	508,1	1026,9	129,2
15	CHEMICALS AND PRODUCTS	25,8	81,2	64,8	83,4	113,4	120,7	1045,0	390,1	1055,4	104,6
16	OTHER CHEMICAL PRODUCTS	12,3	44,5	33,2	70,2	80,1	97,5	772,4	284,8	664,0	85,9
17	PETROLEUM REFINING	26,2	85,8	62,3	102,3	120,0	169,8	1385,2	459,6	1096,5	144,7
18	RUBBER AND PLASTICS	23,9	61,7	63,4	82,0	110,3	134,2	1312,3	492,0	1352,1	114,5
19	LEATHER AND PRODUCTS	5,1	18,6	14,1	23,2	27,9	41,7	319,2	110,6	262,9	34,6
20	GLASS AND PRODUCTS	2,6	9,5	7,2	20,0	16,0	21,7	170,1	74,3	333,5	22,9
21	STONE AND CLAY PRODUCTS	391,3	21,2	13,5	25,0	28,8	46,1	432,9	131,5	316,6	41,3
22	PRIMARY IRON AND STEEL	20,9	1706,0	82,1	583,6	635,9	386,3	4474,6	876,4	1768,1	395,5
23	PRIMARY NONFERROUS METALS	10,3	103,1	1657,4	240,5	248,4	230,3	1803,1	733,3	1890,3	222,2
24	HTNG,PLMG,AND STRL. METAL	3,2	14,5	8,1	1619,7	24,5	28,0	388,2	165,5	168,0	144,0
25	OTHER FABRICATED METALS	19,1	91,0	61,5	167,2	2053,8	191,0	1880,1	722,4	1554,1	182,9
26	ENGINES AND TURBINES	1,7	5,5	4,3	10,7	9,1	1749,3	454,1	36,2	115,6	128,4
27	MACHINERY AND EQUIPMENT	18,6	96,5	64,4	130,4	143,6	336,1	25170,4	552,2	958,8	308,2
28	OFFICE MACHINES	2,3	8,9	6,5	35,3	18,1	19,8	217,2	8248,2	291,2	20,2
29	OTHER ELECTRICAL EQPT.	19,5	88,8	74,9	127,3	121,2	251,0	2093,3	2214,6	22213,8	177,2
30	SHIPBUILDING AND REPAIR	0,2	1,2	0,6	7,2	1,7	7,8	34,4	4,8	10,2	2141,9
31	OTHER TRANSPORT EQPT.	26,7	109,0	77,7	147,2	182,9	383,5	2106,0	772,2	1730,4	232,0
32	INSTRUMENTS	4,7	20,5	14,1	32,8	31,5	42,1	383,3	190,0	431,1	44,0
33	MISCELLANEOUS MFG.	8,9	28,8	23,1	35,8	44,7	60,1	482,9	187,0	424,0	51,0
61	U.S. MERCHANT MARINE	3,7	17,9	7,3	13,4	15,4	18,1	153,0	48,3	114,8	15,8
62	FOREIGN SHIPS	1,4	13,1	14,5	8,8	10,9	10,0	98,4	29,1	73,4	8,6
39	SERVICE TO WATER TRANS.	0,5	2,3	1,0	1,8	2,1	2,5	20,8	6,6	15,7	2,2
40	OTHER TRANS. AND STORAGE	57,1	202,6	148,7	215,1	240,5	293,8	2483,8	862,6	1976,3	270,3
41	COMMUNICATIONS	20,3	72,4	52,9	96,3	107,7	154,0	1275,3	456,6	1079,7	137,4
42	UTILITIES	48,4	173,3	129,8	182,2	214,2	273,7	2271,9	760,1	1844,3	245,7
43	WHOLESALE/RETAIL	146,3	550,7	426,4	702,6	797,5	1185,8	9378,9	3341,4	7668,6	1017,9
44	FINANCE INS. AND R.E.	159,4	560,5	419,7	719,2	831,0	1208,0	9707,0	3487,0	7923,4	1027,7
45	SERVICES	137,6	513,3	369,2	660,8	740,1	1054,8	8479,8	3018,2	7130,4	904,4
46	GOVERNMENT ENTERPRISE	18,1	64,7	48,2	75,3	87,2	119,4	974,6	339,6	802,7	105,0
47	NONCOMPETITIVE IMPORTS	13,0	47,8	39,3	59,2	69,6	106,3	807,6	278,4	689,7	87,1
48	COMPETITIVE IMPORTS	22,6	163,0	219,6	128,6	166,0	182,3	1906,1	576,6	1479,5	135,8
49	DUMMY INDUSTRIES	16,7	102,1	111,3	110,1	115,9	142,2	1264,9	508,8	1037,9	129,4
50	MISCELLANEOUS INDUSTRIES	2,6	9,4	6,8	11,8	13,9	21,4	160,7	55,6	131,7	17,7
51	INVENTORY VALUE ADJ.	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
52	COLUMN SUM	1601,3	6256,2	5211,5	7858,7	9035,9	11515,2	101347,2	36647,8	83338,7	10616,3

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	2491.4	370.3	99.2	119.6	0.0	91.5	526.9	161.9	136.7	871.1
2	OTHER AGRICULTURAL PROD.	2098.7	314.3	86.0	101.3	0.0	80.2	448.5	135.2	122.4	729.0
3	FOREST AND FISH PRODUCTS	352.5	51.0	15.6	16.1	0.0	12.3	70.6	21.4	18.9	124.9
4	IRON ORES MINING	273.1	18.9	5.4	5.3	0.0	3.2	14.1	3.4	3.6	18.4
5	NONFERROUS ORES MINING	183.9	28.8	7.4	4.8	0.0	2.9	11.0	3.2	3.2	16.3
6	CRUDE OIL AND NATURAL GAS	1101.9	160.0	44.2	76.3	0.0	50.3	348.8	67.3	240.2	393.4
7	OTHER MINING	446.2	57.9	16.7	17.2	0.0	13.5	66.3	18.3	86.4	101.4
8	CONSTRUCTION	1582.7	230.2	61.7	99.4	0.0	79.2	512.2	147.6	197.6	553.0
9	ORDNANCE AND ACCESSORIES	356.7	23.0	3.8	3.9	0.0	2.8	14.9	4.5	3.7	26.1
10	FOOD PRODUCTS AND TOBACCO	7979.0	1186.9	316.2	381.4	0.0	292.4	1685.3	519.4	436.5	2789.2
11	TEXTILE AND APPAREL	4526.6	632.7	214.0	203.5	0.0	146.5	778.7	234.3	200.1	1258.4
12	LUMBER AND WOOD PRODUCTS	1311.8	165.4	73.9	45.4	0.0	34.0	194.9	59.2	55.4	326.4
13	PAPER AND PRODUCTS	1852.0	389.4	151.8	81.4	0.0	58.3	339.1	103.8	87.0	682.6
14	PRINTING AND PUBLISHING	1779.8	264.4	75.5	83.1	0.0	61.2	358.7	123.5	91.7	640.3
15	CHEMICALS AND PRODUCTS	1652.6	361.7	88.2	65.6	0.0	48.2	279.3	77.0	79.3	448.4
16	OTHER CHEMICAL PRODUCTS	1198.0	187.7	51.7	61.5	0.0	43.6	225.1	68.6	58.5	378.4
17	PETROLEUM REFINING	1951.6	284.3	78.9	148.0	0.0	94.1	673.3	119.3	124.6	699.3
18	RUBBER AND PLASTICS	2358.2	361.1	164.4	72.7	0.0	50.9	324.3	86.7	75.8	507.8
19	LEATHER AND PRODUCTS	452.4	69.5	27.6	21.4	0.0	16.4	93.0	29.2	24.3	155.6
20	GLASS AND PRODUCTS	471.2	66.3	14.5	16.3	0.0	10.7	50.8	14.4	12.2	84.3
21	STONE AND CLAY PRODUCTS	458.0	57.2	16.8	17.6	0.0	12.8	74.2	21.1	26.2	107.2
22	PRIMARY IRON AND STEEL	5367.2	356.6	103.6	101.7	0.0	60.7	266.2	64.1	67.5	341.5
23	PRIMARY NONFERROUS METALS	2714.8	423.6	115.2	71.4	0.0	41.9	148.7	44.3	41.1	216.8
24	HTNG,PLMG,AND STRL. METAL	364.3	38.6	9.7	17.6	0.0	12.0	60.5	17.3	22.0	84.0
25	OTHER FABRICATED METALS	4244.6	390.8	95.4	107.2	0.0	65.6	266.1	75.6	68.4	417.1
26	ENGINES AND TURBINES	415.4	15.4	3.6	12.0	0.0	6.7	27.3	5.0	6.0	27.9
27	MACHINERY AND EQUIPMENT	2917.2	227.8	42.5	66.2	0.0	40.1	173.7	44.1	47.7	261.9
28	OFFICE MACHINES	511.7	44.1	12.2	9.8	0.0	7.2	42.2	13.0	11.3	75.9
29	OTHER ELECTRICAL EQPT.	3335.1	616.8	87.9	82.3	0.0	59.4	348.3	135.1	94.4	553.8
30	SHIPBUILDING AND REPAIR	58.8	3.4	0.7	83.7	0.0	39.5	3.8	0.9	1.2	5.2
31	OTHER TRANSPORT EQPT.	42950.6	420.7	102.9	124.9	0.0	91.3	597.2	153.3	128.9	813.8
32	INSTRUMENTS	766.9	5028.0	19.2	29.9	0.0	19.2	86.3	26.8	21.6	153.4
33	MISCELLANEOUS MFG.	714.6	120.6	1387.3	33.7	0.0	24.6	136.6	43.5	35.3	242.5
61	U.S. MERCHANT MARINE	217.2	29.0	8.2	1817.9	0.0	8.7	50.2	11.3	16.2	63.9
62	FOREIGN SHIPS	126.6	19.0	7.1	4.1	0.0	2.8	15.3	4.0	4.9	22.2
39	SERVICE TO WATER TRANS.	29.5	4.0	1.1	216.9	0.0	1191.1	6.7	1.6	2.1	8.3
40	OTHER TRANS. AND STORAGE	3829.3	497.6	145.4	257.1	0.0	138.2	7708.7	189.6	222.4	1085.3
41	COMMUNICATIONS	1825.3	278.3	71.7	91.9	0.0	64.9	406.1	2403.9	94.7	679.6
42	UTILITIES	3238.8	460.6	125.8	108.2	0.0	119.1	647.4	196.7	2660.0	1141.5
43	WHOLESALE/RETAIL	13296.3	1975.7	544.0	614.9	0.0	458.2	2749.0	800.0	682.4	15751.4
44	FINANCE INS. AND R.E.	13607.3	2036.7	547.6	713.2	0.0	522.2	3046.5	905.4	780.9	5241.1
45	SERVICES	12591.6	1871.4	499.2	601.3	0.0	458.3	2564.7	910.6	647.8	4552.8
46	GOVERNMENT ENTERPRISE	1410.8	204.2	56.7	105.4	0.0	212.6	474.5	93.5	447.7	634.6
47	NONCOMPETITIVE IMPORTS	1184.6	168.7	71.5	240.0	0.0	131.1	296.3	86.1	69.5	387.0
48	COMPETITIVE IMPORTS	2359.7	393.1	148.8	72.3	0.0	44.8	273.5	68.7	85.4	379.7
49	DUMMY INDUSTRIES	1841.3	269.8	68.9	71.8	0.0	46.9	284.9	104.9	76.4	556.0
50	MISCELLANEOUS INDUSTRIES	228.7	33.8	8.9	11.0	0.0	8.5	48.2	15.1	12.6	78.3
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	155026.6	21209.3	5898.4	7348.1	0.0	5062.7	27816.1	8433.6	8432.8	44691.2

TABLE H3. INTERINDUSTRY IMPACT TABLE OF THE U.S. ECONOMY, 1967/DIRECT, INDIRECT AND INDUCED/(IN $ MILLION)

		44	45	46	47	48	49	50	51	52
1	LIVESTOCK AND PRODUCTS	308.2	911.8	81.3	0.0	0.0	-264.2	8083.1	0.0	30885.0
2	OTHER AGRICULTURAL PROD.	270.5	775.7	88.8	0.0	0.0	-161.8	6690.5	0.0	28741.6
3	FOREST AND FISH PRODUCTS	43.6	122.8	12.0	0.0	0.0	-26.5	1040.2	0.0	4647.1
4	IRON ORES MINING	6.4	23.0	2.0	0.0	0.0	-4.8	144.2	0.0	1748.9
5	NONFERROUS ORES MINING	6.0	19.9	1.8	0.0	0.0	-4.5	126.7	0.0	1650.0
6	CRUDE OIL AND NATURAL GAS	124.0	395.5	43.1	0.0	0.0	-57.2	3004.9	0.0	15123.8
7	OTHER MINING	35.9	113.3	21.4	0.0	0.0	-16.8	763.9	0.0	6564.9
8	CONSTRUCTION	360.8	636.8	144.3	0.0	0.0	-82.8	5930.5	0.0	103401.6
9	ORDNANCE AND ACCESSORIES	7.6	26.4	2.1	0.0	0.0	-7.7	210.5	0.0	10738.3
10	FOOD PRODUCTS AND TOBACCO	853.7	2897.2	256.7	0.0	0.0	-698.3	26059.4	0.0	98190.0
11	TEXTILE AND APPAREL	386.0	1340.0	116.1	0.0	0.0	-176.9	11777.3	0.0	47844.0
12	LUMBER AND WOOD PRODUCTS	107.2	334.1	33.9	0.0	0.0	-50.7	2674.3	0.0	21473.5
13	PAPER AND PRODUCTS	179.2	782.6	50.7	0.0	0.0	-196.0	4504.6	0.0	22902.5
14	PRINTING AND PUBLISHING	207.4	1465.8	56.0	0.0	0.0	-250.4	4875.8	0.0	22267.6
15	CHEMICALS AND PRODUCTS	145.5	533.9	50.4	0.0	0.0	-83.7	3541.5	0.0	23292.4
16	OTHER CHEMICAL PRODUCTS	116.5	512.2	36.0	0.0	0.0	-57.1	3251.8	0.0	15596.5
17	PETROLEUM REFINING	216.0	695.6	69.8	0.0	0.0	-105.8	5393.3	0.0	27139.9
18	RUBBER AND PLASTICS	146.0	588.6	45.3	0.0	0.0	-82.9	3918.7	0.0	22350.9
19	LEATHER AND PRODUCTS	47.6	179.5	14.1	0.0	0.0	-24.4	1468.5	0.0	5381.4
20	GLASS AND PRODUCTS	24.2	93.2	7.3	0.0	0.0	-15.2	669.6	0.0	3826.5
21	STONE AND CLAY PRODUCTS	45.0	127.5	16.4	0.0	0.0	-15.4	736.6	0.0	11042.4
22	PRIMARY IRON AND STEEL	116.8	430.1	37.4	0.0	0.0	-92.2	2684.3	0.0	31820.1
23	PRIMARY NONFERROUS METALS	76.8	270.8	24.3	0.0	0.0	-64.3	1704.9	0.0	20926.1
24	HTNG,PLMG,AND STRL. METAL	40.8	83.0	15.1	0.0	0.0	-14.8	554.4	0.0	12526.2
25	OTHER FABRICATED METALS	128.9	597.3	39.7	0.0	0.0	-93.7	3332.3	0.0	25266.9
26	ENGINES AND TURBINES	8.8	38.4	3.5	0.0	0.0	-6.1	221.6	0.0	3832.4
27	MACHINERY AND EQUIPMENT	85.8	348.4	25.1	0.0	0.0	-52.4	1899.4	0.0	39505.7
28	OFFICE MACHINES	30.3	102.5	7.0	0.0	0.0	-12.1	552.0	0.0	11978.6
29	OTHER ELECTRICAL EQPT.	176.9	663.0	51.0	0.0	0.0	-101.1	4687.1	0.0	48217.4
30	SHIPBUILDING AND REPAIR	1.8	5.5	0.9	0.0	0.0	-1.6	40.5	0.0	2560.1
31	OTHER TRANSPORT EQPT.	254.8	967.8	75.4	0.0	0.0	-126.8	7584.5	0.0	71246.6
32	INSTRUMENTS	45.0	233.5	12.8	0.0	0.0	-45.6	1163.7	0.0	11003.1
33	MISCELLANEOUS MFG.	71.1	325.0	20.5	0.0	0.0	-74.9	2022.8	0.0	9417.9
61	U.S. MERCHANT MARINE	20.9	67.1	11.7	0.0	0.0	-13.7	522.0	0.0	4247.0
62	FOREIGN SHIPS	7.1	24.6	2.2	0.0	0.0	-6.5	179.6	0.0	1198.8
39	SERVICE TO WATER TRANS.	2.9	9.3	1.5	0.0	0.0	-1.8	74.3	0.0	1738.1
40	OTHER TRANS. AND STORAGE	348.6	1150.5	161.3	0.0	0.0	-016.6	8210.4	0.0	46263.2
41	COMMUNICATIONS	207.3	978.2	54.4	0.0	0.0	-84.4	4856.5	0.0	22659.8
42	UTILITIES	320.8	1190.4	170.3	0.0	0.0	-137.3	8367.1	0.0	37595.7
43	WHOLESALE/RETAIL	1346.6	4621.4	396.2	0.0	0.0	-631.5	38816.8	0.0	164554.9
44	FINANCE INS. AND R.E.	6026.4	5360.9	447.6	0.0	0.0	-613.8	41238.5	0.0	162274.2
45	SERVICES	1427.9	15609.2	387.5	0.0	0.0	-692.4	34484.7	0.0	151211.7
46	GOVERNMENT ENTERPRISE	204.3	592.2	981.1	0.0	0.0	-76.1	3773.0	0.0	17453.9
47	NONCOMPETITIVE IMPORTS	122.1	409.6	54.8	-13695.4	0.0	-58.1	3652.1	0.0	111.7
48	COMPETITIVE IMPORTS	119.4	431.6	36.7	0.0	-22570.3	-174.6	4701.2	0.0	-1097.8
49	DUMMY INDUSTRIES	166.3	651.0	41.9	0.0	0.0	-1505.9	3193.8	0.0	15902.0
50	MISCELLANEOUS INDUSTRIES	24.4	81.6	7.2	0.0	0.0	-9.6	90756.3	0.0	92658.5
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1843.0	-1843.0
52	COLUMN SUM	15019.8	47818.6	4216.9	-13695.4	-22570.3	-7030.8	362124.0	-1843.0	1528038.9

		1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK AND PRODUCTS	16007.8	24576.5	-1320.8	220.3	592.4	1189.2	3204.3	413891.6	42804.9	105401.2
2	OTHER AGRICULTURAL PROD.	6856.6	257307.4	-2503.1	244.0	652.0	1312.9	3527.7	464699.1	46951.0	92178.8
3	FOREST AND FISH PRODUCTS	776.8	13090.5	-10760.2	37.1	101.7	196.1	530.5	97527.3	7269.6	10164.9
4	IRON ORES MINING	5.3	88.5	-3.6	1277.7	18.2	11.1	39.5	6550.9	908.9	147.6
5	NONFERROUS ORES MINING	10.8	194.3	-6.9	66.5	6538.7	17.3	86.7	14145.1	1714.0	268.7
6	CRUDE OIL AND NATURAL GAS	150.3	2776.6	-92.2	36.5	96.7	6544.2	585.5	71428.7	6107.5	3113.9
7	OTHER MINING	98.8	2149.3	-54.3	47.5	114.4	121.6	31827.4	96015.1	4964.5	2247.4
8	CONSTRUCTION	459.5	7011.5	-229.0	181.6	325.2	969.0	1562.3	3472287.4	17651.5	9285.1
9	ORDNANCE AND ACCESSORIES	11.3	175.0	-7.9	3.4	9.4	17.9	48.1	6881.5	279654.4	268.3
10	FOOD PRODUCTS AND TOBACCO	1596.1	13428.0	-679.5	235.7	641.0	1262.5	3466.7	447744.2	46678.1	133465.6
11	TEXTILE AND APPAREL	1046.5	16205.6	-1017.4	287.1	754.7	1476.8	4417.4	563884.7	58531.8	24780.5
12	LUMBER AND WOOD PRODUCTS	282.3	4664.3	-216.9	85.7	273.8	396.5	1197.5	428313.2	19101.3	7317.7
13	PAPER AND PRODUCTS	328.5	4405.9	-347.2	75.8	202.2	389.8	1195.3	164657.0	17848.5	13355.2
14	PRINTING AND PUBLISHING	472.5	7096.9	-301.1	133.6	335.6	673.8	1818.2	245865.2	25086.2	12974.5
15	CHEMICALS AND PRODUCTS	334.1	8973.0	-176.3	79.5	266.3	305.2	1001.0	94554.1	14166.3	6622.4
16	OTHER CHEMICAL PRODUCTS	134.3	1928.8	-84.1	34.0	90.9	181.4	485.7	88761.0	6698.3	3294.1
17	PETROLEUM REFINING	105.1	2000.0	-64.5	22.0	60.4	109.0	384.5	49667.9	4028.2	2105.5
18	RUBBER AND PLASTICS	299.7	4857.5	-197.5	98.6	233.3	391.0	1318.1	170058.7	18970.4	8603.3
19	LEATHER AND PRODUCTS	169.2	2467.9	-116.3	45.4	122.7	240.9	668.3	86577.4	8992.0	3849.9
20	GLASS AND PRODUCTS	78.6	876.5	-41.0	15.9	42.3	85.2	226.6	44648.8	3846.9	4321.9
21	STONE AND CLAY PRODUCTS	83.4	1397.3	-47.9	28.5	79.7	231.1	1059.7	312920.5	4940.9	1856.5
22	PRIMARY IRON AND STEEL	186.0	2875.8	-130.0	136.8	371.2	410.7	1359.5	246369.3	34689.2	5330.1
23	PRIMARY NONFERROUS METALS	78.3	1264.3	-52.2	32.1	80.2	133.9	401.7	123972.3	15103.4	2047.2
24	HTNG,PLMG,AND STRL. METAL	56.9	876.1	-30.9	20.1	45.8	156.3	242.5	323890.7	3051.8	1221.0
25	OTHER FABRICATED METALS	302.8	4060.0	-240.3	80.3	238.2	412.2	1291.5	218819.5	27157.2	11247.5
26	ENGINES AND TURBINES	13.3	217.2	-13.0	10.7	46.0	54.2	201.9	10821.1	1341.3	314.2
27	MACHINERY AND EQUIPMENT	206.7	4133.7	-121.1	117.7	551.2	479.3	1684.8	151892.0	23412.2	5130.9
28	OFFICE MACHINES	34.1	525.0	-22.1	10.2	26.2	56.1	136.5	44607.4	2777.0	795.9
29	OTHER ELECTRICAL EQPT.	361.4	5590.2	-240.8	109.3	294.0	737.3	1568.9	309416.7	46468.3	8321.6
30	SHIPBUILDING AND REPAIR	5.9	89.8	-3.5	1.9	4.4	7.9	22.7	4481.2	370.6	143.3
31	OTHER TRANSPORT EQPT.	338.0	5106.6	-249.1	103.0	266.9	497.6	1382.7	182206.4	57878.7	7906.9
32	INSTRUMENTS	91.5	1395.7	-61.5	27.0	72.0	147.1	369.9	64115.4	12802.4	2246.1
33	MISCELLANEOUS MFG.	167.9	2548.8	-122.7	68.0	129.0	248.1	685.6	99270.7	9600.5	4002.7
61	U.S. MERCHANT MARINE	47.9	721.9	-26.0	14.8	26.8	49.6	153.6	21288.7	1919.8	1174.4
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	13.5	202.8	-7.5	4.1	7.8	14.5	44.3	6086.8	558.2	328.2
40	OTHER TRANS. AND STORAGE	1482.9	18420.5	-797.5	335.1	872.6	1567.9	4472.0	708050.9	63587.0	36041.9
41	COMMUNICATIONS	441.0	6458.6	-266.1	116.9	305.7	593.2	1630.1	225706.4	25484.4	10501.9
42	UTILITIES	308.8	4792.1	-190.6	129.6	312.6	477.5	1586.0	154043.8	16366.1	7555.1
43	WHOLESALE/RETAIL	8367.7	119465.0	-5044.3	1958.0	5370.0	10293.3	28752.6	4257929.6	393584.8	187378.2
44	FINANCE INS. AND R.E.	1776.0	28665.1	-1134.1	583.7	1290.7	3420.8	6868.5	807093.5	80746.5	38450.6
45	SERVICES	4839.3	75630.0	-2972.2	1406.6	3365.1	6717.9	18729.9	2568727.2	250518.4	119526.3
46	GOVERNMENT ENTERPRISE	396.8	5969.0	-246.8	129.8	323.0	591.2	1676.5	199915.2	20472.3	9554.3
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	48624.2	664679.8	-30240.3	8592.9	25550.7	45189.0	131912.8	10069785.0	1724845.5	904839.1

		11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK AND PRODUCTS	10405.5	14084.5	5765.7	7922.1	17055.0	7555.0	8977.6	8284.4	628.9	1172.0
2	OTHER AGRICULTURAL PROD.	16541.6	18576.0	6449.1	8755.9	19178.9	8495.9	9915.3	9321.6	665.2	1292.3
3	FOREST AND FISH PRODUCTS	2561.4	14939.9	1315.5	1362.9	2984.6	1219.5	1483.8	1425.6	98.9	210.8
4	IRON ORES MINING	54.8	173.4	46.2	52.5	317.7	66.2	77.8	78.3	3.5	7.7
5	NONFERROUS ORES MINING	114.4	240.8	89.6	111.6	989.8	145.7	150.5	182.0	6.8	21.1
6	CRUDE OIL AND NATURAL GAS	1290.9	2027.5	936.9	1124.6	5920.4	1197.5	24557.6	1558.8	69.9	182.2
7	OTHER MINING	953.5	1482.8	1120.6	828.0	8452.5	1176.9	1398.1	1592.6	50.6	293.3
8	CONSTRUCTION	3709.4	5863.8	2724.7	3551.5	8777.6	3144.2	7228.3	3785.5	201.1	567.7
9	ORDNANCE AND ACCESSORIES	125.5	285.9	85.1	126.4	313.9	103.5	133.2	132.8	7.1	17.3
10	FOOD PRODUCTS AND TOBACCO	9572.2	14249.2	6291.3	8585.2	18597.7	8215.8	9613.2	8960.2	674.4	1274.2
11	TEXTILE AND APPAREL	172424.4	25150.0	8978.4	11138.4	21893.0	8964.2	11281.4	17605.6	1347.7	1573.2
12	LUMBER AND WOOD PRODUCTS	2991.4	192778.8	7508.3	3706.1	6329.0	2444.0	3095.7	3229.8	237.5	693.2
13	PAPER AND PRODUCTS	4252.9	6293.5	53063.9	13829.9	8793.2	4590.4	3725.8	5532.0	282.2	1046.4
14	PRINTING AND PUBLISHING	4966.7	7462.9	3937.4	92120.7	9699.8	4833.3	5519.2	4813.2	284.2	675.8
15	CHEMICALS AND PRODUCTS	3548.4	3889.6	2701.3	2641.6	101403.1	6744.7	3711.7	10028.0	181.3	423.4
16	OTHER CHEMICAL PRODUCTS	1412.9	2660.2	936.9	1235.9	4210.6	32786.3	1626.8	1645.2	99.3	214.9
17	PETROLEUM REFINING	848.6	1351.2	613.6	740.3	4223.5	816.8	20385.5	1039.8	46.1	112.3
18	RUBBER AND PLASTICS	10591.5	7549.9	3559.6	3291.4	11626.3	5460.0	3277.5	72810.7	535.7	650.7
19	LEATHER AND PRODUCTS	2360.6	2846.0	1177.1	1650.6	3412.7	1410.2	1852.5	1930.7	8410.9	244.9
20	GLASS AND PRODUCTS	875.1	1631.0	435.8	564.6	1365.9	1403.1	661.9	813.9	41.2	12398.9
21	STONE AND CLAY PRODUCTS	866.9	2265.9	680.4	706.7	2471.3	847.5	1700.3	1114.7	45.5	329.7
22	PRIMARY IRON AND STEEL	1904.5	6529.5	1628.3	1873.2	6149.5	2158.4	2783.0	2423.9	124.0	267.4
23	PRIMARY NONFERROUS METALS	839.5	1904.3	657.4	868.7	3741.2	965.5	1143.8	1122.2	51.1	170.0
24	HTNG,PLMG,AND STRL. METAL	500.7	1013.5	366.3	466.7	1190.9	429.8	1008.9	550.9	27.8	77.1
25	OTHER FABRICATED METALS	2855.5	8812.9	2598.5	3174.3	7865.0	4525.1	3425.7	3740.4	233.3	376.1
26	ENGINES AND TURBINES	136.2	230.4	97.3	121.3	354.9	117.1	207.3	145.6	7.7	19.7
27	MACHINERY AND EQUIPMENT	2286.6	3901.1	1755.4	1771.7	7084.5	1811.4	3227.4	2810.9	129.9	296.4
28	OFFICE MACHINES	360.3	672.1	245.6	331.3	732.9	308.0	417.4	351.7	20.1	49.7
29	OTHER ELECTRICAL EQPT.	3870.1	6236.8	2547.8	3548.2	7875.3	3121.3	4883.5	3771.7	217.8	550.2
30	SHIPBUILDING AND REPAIR	53.6	93.4	41.1	46.6	149.3	47.1	158.0	71.9	3.0	7.3
31	OTHER TRANSPORT EQPT.	3688.8	5812.7	2374.6	3330.6	7124.2	2912.2	3816.4	3658.4	206.2	531.2
32	INSTRUMENTS	1128.7	1849.7	777.3	1620.1	2093.1	1111.9	1185.6	1052.5	71.7	158.7
33	MISCELLANEOUS MFG.	3092.4	3205.2	1282.4	1851.8	3724.3	1605.7	1901.7	2238.9	157.7	274.4
61	U.S. MERCHANT MARINE	390.4	708.5	322.3	334.9	1253.5	353.6	1604.0	484.2	22.1	53.0
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	113.5	201.5	90.9	98.0	345.0	100.6	421.7	136.2	6.4	15.4
40	OTHER TRANS. AND STORAGE	13092.1	21822.3	11069.2	12841.9	29512.0	10973.5	18542.4	13412.8	729.8	1969.8
41	COMMUNICATIONS	4705.7	7023.8	3022.4	4844.6	8919.9	3954.3	4708.4	4469.3	264.0	618.9
42	UTILITIES	3488.0	5243.3	2580.6	3013.0	9045.1	2697.7	4434.3	3610.4	186.2	616.7
43	WHOLESALE/RETAIL	83790.2	125467.7	52588.1	71578.2	150909.4	62376.9	80135.5	76218.8	4734.8	10814.9
44	FINANCE INS. AND R.E.	17271.0	25734.5	11009.3	16541.9	34295.3	13908.9	23199.9	16150.2	960.6	2315.5
45	SERVICES	49885.9	75645.7	32734.7	48120.3	99713.6	52729.5	55566.9	48872.5	2856.9	6832.1
46	GOVERNMENT ENTERPRISE	4387.7	6439.9	2947.5	4857.6	9465.3	3463.5	5043.9	4168.4	245.9	638.3
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	448310.0	634351.5	239165.5	344681.7	649560.4	271343.3	338049.3	345327.1	25174.7	50255.0

		21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK AND PRODUCTS	1574.7	5889.4	4444.2	7353.6	8605.5	12943.9	98789.9	34605.2	81069.3	10825.1
2	OTHER AGRICULTURAL PROD.	1738.5	6445.9	4854.9	8056.1	9432.7	14112.5	100884.4	37895.3	88916.8	11845.4
3	FOREST AND FISH PRODUCTS	263.4	970.8	748.7	1238.8	1444.8	2077.3	16235.1	5764.1	13849.6	1834.0
4	IRON ORES MINING	21.7	1251.5	72.2	431.7	471.8	289.1	3528.1	662.0	1353.6	295.0
5	NONFERROUS ORES MINING	43.9	387.9	3168.7	932.6	557.3	500.3	4086.2	1562.8	4066.4	482.8
6	CRUDE OIL AND NATURAL GAS	277.8	928.4	679.2	1075.8	1263.1	1748.3	14310.3	4763.0	11402.1	1525.6
7	OTHER MINING	1520.1	2267.8	565.1	1223.9	1440.8	1403.6	12995.2	3798.9	9057.6	1276.4
8	CONSTRUCTION	813.0	3034.4	2027.1	3338.9	3830.3	5070.3	42067.0	14753.7	34387.0	4575.8
9	ORDNANCE AND ACCESSORIES	23.4	98.2	73.6	176.8	167.4	585.8	2413.3	850.5	3950.5	532.7
10	FOOD PRODUCTS AND TOBACCO	1708.3	6433.9	4869.4	8013.0	9377.6	14134.6	107286.4	37648.1	88241.7	11807.5
11	TEXTILE AND APPAREL	2287.3	7490.6	5596.9	9429.9	11414.2	16765.1	129213.3	45207.2	107964.0	14163.7
12	LUMBER AND WOOD PRODUCTS	618.4	2161.8	1837.1	3121.5	3604.7	4211.3	36363.9	13653.0	37441.4	4861.3
13	PAPER AND PRODUCTS	904.7	2106.3	1725.5	3029.3	4070.9	4511.9	36041.7	15365.0	37730.6	3747.4
14	PRINTING AND PUBLISHING	908.4	3558.5	2825.1	4399.2	5624.5	7144.0	57508.4	24071.1	48648.4	6120.3
15	CHEMICALS AND PRODUCTS	522.6	1642.5	1310.3	1688.3	2294.5	2441.9	21140.6	7893.1	21351.7	2116.7
16	OTHER CHEMICAL PRODUCTS	250.2	902.1	672.8	1423.2	1624.6	1975.8	15655.6	5773.4	13459.5	1741.6
17	PETROLEUM REFINING	178.2	582.8	422.8	694.7	815.2	1153.4	9407.6	3121.0	7447.1	982.7
18	RUBBER AND PLASTICS	776.6	2003.4	2058.8	2661.8	3775.7	4356.7	42597.1	15970.5	43890.8	3715.4
19	LEATHER AND PRODUCTS	337.8	1221.8	925.4	1529.9	1834.7	2746.4	21014.7	7279.0	17310.3	2276.0
20	GLASS AND PRODUCTS	119.7	437.0	329.2	913.4	731.7	993.1	7787.5	3401.5	15267.3	1047.5
21	STONE AND CLAY PRODUCTS	16536.5	895.3	569.0	1057.5	1218.0	1949.2	18297.2	5558.4	13379.6	1747.4
22	PRIMARY IRON AND STEEL	602.9	49298.3	2373.4	16885.0	18374.4	11164.0	129303.0	25324.0	51091.5	11427.4
23	PRIMARY NONFERROUS METALS	200.9	2003.1	32194.1	4671.3	4825.8	4473.7	35024.6	14245.0	36719.3	4316.4
24	HTNG,PLMG,AND STRL. METAL	123.4	558.2	313.0	62559.7	946.6	1082.0	14995.5	6394.3	6489.8	5562.8
25	OTHER FABRICATED METALS	667.5	3181.0	2149.5	5846.5	71805.7	6678.5	65731.7	25255.2	54334.6	6395.7
26	ENGINES AND TURBINES	45.3	150.2	118.6	291.9	247.9	47742.8	12393.1	986.8	3156.2	3503.3
27	MACHINERY AND EQUIPMENT	705.0	3663.1	2443.0	4949.1	5451.7	12760.4	955560.6	20962.3	36399.2	11700.6
28	OFFICE MACHINES	72.3	273.2	200.2	1085.8	556.7	609.4	6685.0	253839.3	8961.3	621.8
29	OTHER ELECTRICAL EQPT.	792.7	3618.1	3049.8	5188.0	4937.6	10223.7	85277.8	90218.7	904950.1	7219.8
30	SHIPBUILDING AND REPAIR	13.7	65.4	33.0	395.9	90.9	429.7	1884.4	263.7	557.4	117253.0
31	OTHER TRANSPORT EQPT.	680.3	2776.4	1980.6	3749.9	4660.5	9770.4	53654.6	19673.6	44083.8	5905.6
32	INSTRUMENTS	192.2	840.6	580.2	1344.4	1293.6	1725.6	15727.4	7794.9	17686.7	1806.0
33	MISCELLANEOUS MFG.	406.2	1316.9	1058.8	1637.8	2045.2	2750.5	22109.0	8562.1	19413.3	2332.7
61	U.S. MERCHANT MARINE	111.9	547.3	222.6	409.9	471.4	555.0	4686.7	1480.8	3518.0	485.1
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	31.0	148.5	63.4	116.1	133.9	162.6	1353.3	432.6	1027.1	141.2
40	OTHER TRANS. AND STORAGE	3412.3	12107.8	8883.9	12855.2	14374.3	17558.4	148432.6	51550.3	118102.8	16152.4
41	COMMUNICATIONS	873.4	3116.5	2279.0	4146.0	4640.6	6632.0	54930.7	19667.5	46503.4	5917.8
42	UTILITIES	832.5	2982.5	2234.2	3135.2	3686.6	4710.0	39094.2	13080.3	31735.6	4228.4
43	WHOLESALE/RETAIL	14470.3	54448.6	42164.3	69468.6	78855.7	117249.3	927355.1	330384.5	758241.4	100646.2
44	FINANCE INS. AND R.E.	3193.5	11226.5	8406.4	14405.9	16644.8	24197.1	194436.1	69846.5	158708.3	20585.3
45	SERVICES	9255.8	34524.5	24834.5	43095.5	49775.9	70943.0	570324.9	202996.5	479565.1	60824.6
46	GOVERNMENT ENTERPRISE	889.6	3180.4	2366.2	3701.2	4285.5	5865.4	47896.5	16687.8	39348.4	5158.6
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	68997.8	240737.4	177725.0	321378.6	361725.2	458396.0	4192360.3	1469243.2	3528776.6	479696.0

		31	32	33	61	62	39	40	41	42	43
1	LIVESTOCK AND PRODUCTS	141246.8	20991.7	5625.8	6780.0	0.0	5190.4	29872.5	9177.4	7753.6	49386.0
2	OTHER AGRICULTURAL PROD.	156117.9	23383.1	6393.3	7538.7	0.0	5965.6	33562.4	10039.9	9108.3	54231.9
3	FOREST AND FISH PRODUCTS	24288.2	3511.7	1076.6	1108.6	0.0	854.2	4864.8	1470.4	1299.7	8607.1
4	IRON ORES MINING	4009.1	276.9	79.8	77.5	0.0	46.6	207.1	50.3	53.4	269.6
5	NONFERROUS ORES MINING	6009.1	942.9	243.4	158.0	0.0	94.5	559.6	104.9	143.8	532.9
6	CRUDE OIL AND NATURAL GAS	20218.9	2936.2	811.3	1400.5	0.0	923.7	6401.1	1234.2	4406.9	7219.1
7	OTHER MINING	17616.8	2284.3	657.8	677.7	0.0	533.1	2619.0	721.6	3411.6	4002.2
8	CONSTRUCTION	61065.9	8881.4	2380.3	3833.8	0.0	3057.2	19761.8	5696.0	7625.1	21338.5
9	ORDNANCE AND ACCESSORIES	10539.5	680.0	112.3	115.4	0.0	81.4	440.3	133.6	110.6	771.6
10	FOOD PRODUCTS AND TOBACCO	153434.7	22824.6	6080.4	7335.0	0.0	5022.2	32407.4	9988.1	8394.1	53634.6
11	TEXTILE AND APPAREL	224598.1	31393.6	10616.4	10098.0	0.0	7268.1	38638.6	11623.6	9926.7	62439.4
12	LUMBER AND WOOD PRODUCTS	64523.8	8134.2	3636.4	2233.1	0.0	1673.2	9588.6	2914.3	2724.1	16053.5
13	PAPER AND PRODUCTS	55249.3	11617.6	4527.3	2428.3	0.0	1740.4	10117.3	3095.6	2595.0	20369.1
14	PRINTING AND PUBLISHING	84316.2	12525.8	3575.4	3935.1	0.0	2900.6	16993.2	5851.2	4344.4	30332.9
15	CHEMICALS AND PRODUCTS	33434.7	7318.5	1784.2	1326.7	0.0	975.0	5649.6	1557.5	1603.3	9064.6
16	OTHER CHEMICAL PRODUCTS	24283.5	3804.1	1048.4	1246.6	0.0	882.8	4583.4	1389.7	1186.2	7669.2
17	PETROLEUM REFINING	13254.0	1930.7	535.7	1005.1	0.0	639.3	4572.7	810.1	846.2	4749.4
18	RUBBER AND PLASTICS	76549.9	11721.4	5336.9	2361.0	0.0	1652.9	10527.4	2814.5	2461.0	16482.3
19	LEATHER AND PRODUCTS	29785.8	4578.1	1815.4	1408.7	0.0	1077.9	6124.7	1924.1	1602.5	10246.1
20	GLASS AND PRODUCTS	21568.1	3036.9	665.8	745.0	0.0	487.9	2326.4	657.2	556.6	3858.1
21	STONE AND CLAY PRODUCTS	19358.7	2419.4	711.3	745.6	0.0	539.9	3137.2	891.2	1107.2	4531.2
22	PRIMARY IRON AND STEEL	155095.2	10304.2	2994.6	2938.8	0.0	1753.4	7693.5	1851.8	1950.1	9868.2
23	PRIMARY NONFERROUS METALS	52735.1	8229.0	2236.8	1386.5	0.0	813.1	2888.4	860.2	799.0	4249.5
24	MTNG,PLMG,AND STRL. METAL	14069.9	1490.5	376.4	679.7	0.0	464.2	2335.4	669.5	851.5	3269.5
25	OTHER FABRICATED METALS	148402.1	13664.7	3336.6	3747.3	0.0	2294.4	9303.3	2643.4	2390.4	14583.0
26	ENGINES AND TURBINES	11337.1	420.4	97.0	326.2	0.0	182.5	744.6	137.5	163.7	762.0
27	MACHINERY AND EQUIPMENT	110748.5	8647.0	1612.0	2513.7	0.0	1523.2	6595.4	1674.4	1811.2	9942.4
28	OFFICE MACHINES	15748.0	1356.9	374.0	300.5	0.0	221.6	1298.7	398.6	347.5	2336.3
29	OTHER ELECTRICAL EQPT.	135867.9	25127.2	3579.2	3352.9	0.0	2421.4	14189.3	5504.4	3843.8	22562.1
30	SHIPBUILDING AND REPAIR	3219.1	188.0	36.0	4584.6	0.0	2164.6	205.3	49.9	63.0	282.1
31	OTHER TRANSPORT EQPT.	1094237.8	10718.2	2621.2	3182.4	0.0	2327.2	15215.7	3906.3	3283.2	20732.3
32	INSTRUMENTS	31464.4	206297.3	785.8	1225.3	0.0	788.0	3541.2	1100.5	887.1	6294.1
33	MISCELLANEOUS MFG.	32718.5	5520.1	63513.8	1542.5	0.0	1126.4	6252.9	1993.4	1615.6	11102.5
61	U.S. MERCHANT MARINE	6653.4	887.8	250.2	55684.0	0.0	267.6	1538.0	347.3	495.6	1958.2
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	1921.8	259.7	72.6	14147.7	0.0	7674.8	459.5	103.5	138.7	576.8
40	OTHER TRANS. AND STORAGE	228842.9	29735.1	8692.1	15366.4	0.0	8256.4	460675.8	11328.9	13290.3	64858.8
41	COMMUNICATIONS	78617.6	11986.0	3089.3	3060.0	0.0	2796.7	17491.8	103537.9	4077.6	29273.4
42	UTILITIES	55731.6	7925.6	2163.9	2550.4	0.0	2049.6	11140.7	3385.0	45772.6	19643.1
43	WHOLESALE/RETAIL	1314691.1	195348.1	53793.5	60799.8	0.0	45306.8	271808.1	79098.3	67474.4	1557439.6
44	FINANCE INS. AND R.E.	272560.5	40796.6	10968.3	14286.0	0.0	10460.1	61022.2	18136.3	15642.7	104981.1
45	SERVICES	846872.4	125861.5	33572.1	40438.6	0.0	29477.5	172490.7	61246.4	43569.2	306208.9
46	GOVERNMENT ENTERPRISE	69330.4	10037.0	2788.6	5179.9	0.0	10446.7	23918.1	4595.6	22001.5	31187.4
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	5922334.4	899993.8	254668.9	294751.7	0.0	245019.3	1332723.4	374720.6	321688.4	2607902.3

TABLE H4. INTERINDUSTRY EMPLOYMENT IMPACT TABLE OF THE U.S. ECONOMY,1967/DIRECT,INDIRECT AND INDUCED/

		44	45	46	47	48	49	50	51	52
1	LIVESTOCK AND PRODUCTS	17475.3	51692.4	4607.3	0.0	0.0	-11575.2	458270.1	0.0	1751019.7
2	OTHER AGRICULTURAL PROD.	20121.0	57700.7	6602.0	0.0	0.0	-12032.9	497687.8	0.0	2138015.9
3	FOREST AND FISH PRODUCTS	3003.1	8459.2	827.2	0.0	0.0	-1823.5	71671.3	0.0	320184.1
4	IRON ORES MINING	93.5	337.8	29.6	0.0	0.0	-71.0	2116.9	0.0	25675.9
5	NONFERROUS ORES MINING	194.7	651.9	59.2	0.0	0.0	-145.5	4142.3	0.0	53927.8
6	CRUDE OIL AND NATURAL GAS	2274.6	7257.9	791.4	0.0	0.0	-1049.0	55137.7	0.0	277510.1
7	OTHER MINING	1419.1	4473.9	844.6	0.0	0.0	-662.6	30159.8	0.0	259189.1
8	CONSTRUCTION	13919.6	24569.0	5566.9	0.0	0.0	-3193.1	151655.5	0.0	3989693.4
9	ORDNANCE AND ACCESSORIES	224.3	779.4	63.3	0.0	0.0	-228.7	6221.0	0.0	317328.2
10	FOOD PRODUCTS AND TOBACCO	16416.5	55712.0	4936.6	0.0	0.0	-13427.3	501113.9	0.0	1888165.1
11	TEXTILE AND APPAREL	19152.0	66487.0	5761.7	0.0	0.0	-8778.1	584364.0	0.0	2373911.0
12	LUMBER AND WOOD PRODUCTS	5272.3	16434.2	1669.8	0.0	0.0	-2492.8	131538.4	0.0	1056206.6
13	PAPER AND PRODUCTS	5345.9	23345.2	1512.0	0.0	0.0	-5846.6	134381.5	0.0	683231.3
14	PRINTING AND PUBLISHING	9823.3	69439.7	2652.2	0.0	0.0	-11862.8	230982.3	0.0	1054885.9
15	CHEMICALS AND PRODUCTS	2942.8	10800.5	1019.8	0.0	0.0	-1692.9	71649.4	0.0	471234.2
16	OTHER CHEMICAL PRODUCTS	2362.2	10382.3	729.3	0.0	0.0	-1157.7	65914.2	0.0	316136.3
17	PETROLEUM REFINING	1466.9	4724.3	473.9	0.0	0.0	-718.5	30628.8	0.0	184319.9
18	RUBBER AND PLASTICS	4739.1	19106.1	1469.9	0.0	0.0	-2691.2	127203.0	0.0	725527.3
19	LEATHER AND PRODUCTS	3131.8	11818.8	926.9	0.0	0.0	-1604.4	96675.4	0.0	554281.3
20	GLASS AND PRODUCTS	1106.8	4268.2	334.9	0.0	0.0	-696.5	30652.9	0.0	175166.4
21	STONE AND CLAY PRODUCTS	1903.2	5390.4	693.7	0.0	0.0	-652.1	31131.2	0.0	466694.9
22	PRIMARY IRON AND STEEL	3374.9	12429.9	1081.8	0.0	0.0	-2664.7	77369.6	0.0	919505.2
23	PRIMARY NONFERROUS METALS	1492.2	5260.1	471.6	0.0	0.0	-1249.3	33118.5	0.0	406490.1
24	HTNG,PLMG,AND STRL. METAL	1574.9	3206.1	583.4	0.0	0.0	-571.3	20639.7	0.0	483827.4
25	OTHER FABRICATED METALS	4506.1	20882.3	1389.7	0.0	0.0	-3277.1	116504.9	0.0	883392.7
26	ENGINES AND TURBINES	240.3	1048.5	96.1	0.0	0.0	-165.6	6046.7	0.0	104597.8
27	MACHINERY AND EQUIPMENT	3256.5	13227.4	954.4	0.0	0.0	-1988.5	72108.8	0.0	1499784.2
28	OFFICE MACHINES	931.5	3155.8	214.6	0.0	0.0	-371.5	16989.1	0.0	368641.9
29	OTHER ELECTRICAL EQPT.	7206.8	27010.0	2078.3	0.0	0.0	-4117.5	190942.6	0.0	1964294.0
30	SHIPBUILDING AND REPAIR	97.1	303.4	47.0	0.0	0.0	-90.2	2214.9	0.0	140147.3
31	OTHER TRANSPORT EQPT.	6490.5	24656.7	1921.4	0.0	0.0	-3231.7	193228.3	0.0	1815123.2
32	INSTRUMENTS	1847.2	9578.9	526.8	0.0	0.0	-1870.9	47746.6	0.0	451459.1
33	MISCELLANEOUS MFG.	3256.0	14881.5	940.2	0.0	0.0	-3429.8	92613.5	0.0	431188.9
61	U.S. MERCHANT MARINE	639.2	2055.7	357.6	0.0	0.0	-418.1	15990.1	0.0	130093.2
62	FOREIGN SHIPS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
39	SERVICE TO WATER TRANS.	187.1	605.0	98.2	0.0	0.0	-115.9	4848.2	0.0	113349.4
40	OTHER TRANS. AND STORAGE	20835.3	68757.0	9636.5	0.0	0.0	-36648.1	490699.4	0.0	2764713.0
41	COMMUNICATIONS	8927.3	42133.6	2344.5	0.0	0.0	-3634.6	209177.6	0.0	975989.1
42	UTILITIES	5520.6	20483.6	2930.7	0.0	0.0	-2362.3	143977.1	0.0	646927.5
43	WHOLESALE/RETAIL	133151.8	456944.4	39174.0	0.0	0.0	-62438.6	3858063.1	0.0	16270608.0
44	FINANCE INS. AND R.E.	120711.2	107381.7	8966.2	0.0	0.0	-12294.8	826025.6	0.0	3250422.6
45	SERVICES	96034.4	1049825.2	26062.7	0.0	0.0	-46570.8	2319328.1	0.0	31017000.3.0
46	GOVERNMENT ENTERPRISE	10040.7	29105.0	48212.6	0.0	0.0	-3738.4	185416.6	0.0	857740.8
47	NONCOMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
48	COMPETITIVE IMPORTS	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
49	DUMMY INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50	MISCELLANEOUS INDUSTRIES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51	INVENTORY VALUE ADJ.	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52	COLUMN SUM	562709.7	2366762.6	189660.4	0.0	0.0	-273852.3	12222506.0	0.0	63530604.0

1967 MarAd I-O Tables
(INFORUM Based)*

TABLE 1, MARAD I-O TABLE OF U.S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)
TABLE 2, MARAD I-O TABLE OF U.S. ECONOMY; DIRECT REQUIREMENTS, 1967
TABLE 3, MARAD I-O TABLE OF U.S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1967
TABLE 4, MARAD I-O TABLE OF U.S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967
(IN $ MILLION OF PRODUCER PRICES)
TABLE 5, MARAD I-O TABLE OF U.S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967
TABLE 6, MARAD I-O TABLE OF U.S. ECONOMY; INDUCED REQUIREMENTS, 1967
TABLE 7, MARAD I-O TABLE OF U.S. ECONOMY; DIRECT LABOR REQUIREMENTS, 1967
(EMPLOYMENT PER $ MILLION OUTPUT)
TABLE 8, MARAD I-O TABLE OF U.S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1967
(EMPLOYMENT PER $ MILLION OUTPUT)
TABLE 9, MARAD I-O TABLE OF U.S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967
(EMPLOYMENT PER $ MILLION OUTPUT)

*These tables have been prepared with the assistance of INFORUM, University of Maryland.

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	5627.3	1420.1	197.5	.0	.0	.0	.0	.0	.0	19751.1
2	OTHER FARM PRODUCTS	8360.0	898.9	18.0	.0	.0	.0	.0	80.2	.0	8300.6
3	FOREST & FISH PRODUCTS	600.8	1332.0	83.2	.0	.0	4.2	.0	168.9	.0	422.8
4	IRON ORES MINING	.0	.0	.0	91.9	.0	.0	.0	.7	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	15.6	213.1	.0	1.6	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	375.6	1.1	.0	.0	.0
7	OTHER MINING	4.9	131.5	.0	4.0	.0	.0	525.9	862.8	2.3	52.1
8	CONSTRUCTION	300.5	368.2	1.0	30.4	15.2	47.4	48.9	71.1	25.3	260.0
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	799.7	.0
10	FOOD PRODUCTS & TOBACCO	3635.5	.0	67.8	.0	.0	.0	.0	.0	.0	17030.1
11	TEXTILES & APPAREL	9.6	80.6	109.7	2.0	.0	5.4	31.2	276.2	25.6	144.2
12	LUMBER & WOOD PRODUCTS	2.3	106.3	13.5	3.6	10.8	.0	22.9	5452.7	81.0	123.4
13	PAPER & PRODUCTS	15.9	3.0	123.0	.0	.0	.9	23.8	268.1	79.5	2679.7
14	PRINTING & PUBLISHING	5.5	9.0	.0	.0	.0	.0	.0	6.5	1.2	535.4
15	CHEMICALS & PRODUCTS	74.6	2288.0	29.1	27.7	50.1	125.2	120.2	173.2	250.4	356.4
16	OTHER CHEMICAL PRODUCTS	53.7	.0	2.5	.0	.0	10.4	.0	1237.8	.8	243.9
17	PETROLEUM REFINING	104.9	895.4	50.3	4.3	5.1	39.8	99.4	1905.0	26.6	207.4
18	RUBBER & PLASTICS	35.8	162.3	5.8	14.6	8.4	35.4	65.4	738.9	108.4	898.3
19	LEATHER & PRODUCTS	9.1	.0	.8	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	5.6	.0	.0	.0	.0	.0	.0	248.4	3.0	1000.7
21	STONE & CLAY PRODUCTS	1.9	24.0	.0	.7	2.2	103.6	14.0	6749.6	12.4	.0
22	PRIMARY IRON & STEEL	.0	.0	.0	41.9	41.1	189.3	109.9	1590.1	522.3	13.1
23	PRIM. NONFERROUS METALS	.8	.6	.0	3.8	.8	.0	15.0	2432.6	296.0	5.3
24	HTNG, PLMNG & STR. META	.0	.0	.0	.0	.0	53.2	6.2	8914.3	.0	.0
25	OTHER FABRICATED METALS	73.1	51.8	63.5	4.3	8.7	69.8	69.0	1825.8	241.9	2417.4
26	ENGINES & TURBINES	.0	.0	4.7	4.0	8.8	48.6	39.1	91.6	4.8	.0
27	MACHINERY & EQUIPMENTS	12.6	302.6	1.3	28.1	76.4	235.2	182.8	949.0	200.7	248.1
28	OFFICE MACHINES	.0	.0	.0	.0	.0	.0	.0	772.0	.0	.0
29	OTHER ELECTRICAL EQUIP.	13.1	38.7	1.9	1.9	.8	170.8	15.8	2393.3	286.2	3.7
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	6.8	13.1	16.7	5.6	2.2	.0	.0	7.9	474.5	3.7
32	INSTRUMENTS	.0	.0	.0	.0	.0	9.3	.0	297.6	53.4	11.2
33	MISC. MANUFACTURING	1.4	1.9	4.3	.0	.0	.5	.0	195.0	.5	8.9
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	.3	6.5	2.7	.0	.7	255.8	40.8	.0	.3	56.8
36	GREAT LAKES TRANS.	.0	8.1	.0	102.0	.0	.1	79.2	.0	.0	12.4
37	RIVER & CANAL TRANS.	.0	81.6	11.9	25.3	6.3	41.6	112.2	.0	.0	12.9
38	LOCAL WATER TRANS.	.0	.1	14.7	.7	.0	.6	.6	.0	.0	1.1
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	970.1	2422.7	132.4	68.5	25.7	665.6	2366.6	2513.2	122.8	2104.4
41	COMMUNICATIONS	75.1	68.3	1.1	2.1	2.3	12.7	9.8	332.9	113.6	286.1
42	UTILITIES	96.1	202.5	2.9	49.0	39.8	143.0	187.8	84.8	55.8	638.3
43	WHOLESALE & RETAIL TRAD	1301.1	1465.7	82.8	17.5	19.2	150.0	129.2	8201.6	278.8	3208.4
44	FINANCE, INSURANCE & R.	811.9	2297.1	134.1	139.2	69.4	2514.4	354.0	1336.5	66.5	1059.6
45	SERVICES	363.9	1361.5	12.5	64.1	24.1	271.8	216.0	5318.3	334.1	3775.1
46	GOVERNMENT ENTERPRISES	3.2	3.5	.0	1.3	1.4	6.3	4.9	64.4	14.6	89.4
47	NONCOMPETITIVE IMPORTS	.0	.0	36.6	.0	.0	.0	.0	99.0	.0	1318.3
48	DUMMY INDUSTRIES	34.8	44.4	43.0	5.3	12.3	97.9	33.4	665.4	187.1	459.1
49	EMPLOYMENT COMPENSATION	1170.9	1935.5	1017.5	254.1	419.8	1064.1	2166.4	28955.1	4395.2	13391.6
50	INDIRECT TAX	541.2	691.0	87.7	49.4	53.7	717.2	127.5	557.0	73.1	6416.6
51	PROPERTY INCOME	5339.3	9758.8	1302.9	203.8	124.6	7003.3	1466.0	12585.9	717.2	7262.7
52	TOTAL	29764.6	28475.1	4177.5	1266.7	1243.0	14468.9	8686.6	98463.4	9855.5	94820.3
53	WATER TRANSPORTATION	.3	96.3	29.3	128.0	7.0	298.1	232.8	.0	.3	83.2

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	260.2	.0	.0	.0	.0	11.9	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	1177.5	.0	.0	.0	35.8	58.1	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	165.4	1124.8	.0	.0	12.4	2.7	.0	.0	.0	.0
4	IRON ORES MINING	.0	.0	.0	.0	47.3	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	69.6	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	48.0	.0	11558.5	.0	.0	.0
7	OTHER MINING	19.7	5.2	151.8	.0	737.3	36.1	66.4	55.4	1.7	48.2
8	CONSTRUCTION	68.7	93.0	143.8	76.6	159.8	57.4	352.0	103.1	7.5	31.8
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	31.9	.0	114.7	.0	82.3	260.0	29.9	48.4	1.1	.0
11	TEXTILES & APPAREL	19061.0	491.1	179.6	99.2	25.0	10.1	2.6	768.2	312.8	4.0
12	LUMBER & WOOD PRODUCTS	11.*	4700.3	1175.7	.0	56.9	6.1	1.5	32.7	45.6	35.3
13	PAPER & PRODUCTS	328.9	172.3	5612.2	3226.3	260.3	471.4	156.9	569.3	94.9	227.2
14	PRINTING & PUBLISHING	9.2	.5	5.8	2520.6	1.6	26.5	1.9	.0	.0	.0
15	CHEMICALS & PRODUCTS	504.4	174.0	730.3	399.9	4297.3	1558.0	506.2	2969.6	59.6	87.5
16	OTHER CHEMICAL PRODUCTS	40.0	173.6	22.3	14.6	48.6	721.4	74.2	71.4	45.5	19.4
17	PETROLEUM REFINING	47.9	115.8	129.0	37.8	1822.4	58.0	6426.9	15.3	6.3	6.7
18	RUBBER & PLASTICS	2675.6	400.6	495.9	123.5	174.2	690.5	51.8	2995.8	341.9	92.5
19	LEATHER & PRODUCTS	74.2	4.7	.5	.5	.7	.0	.5	8.7	1003.7	.0
20	GLASS & PRODUCTS	69.7	72.0	.0	.0	6.7	196.9	.0	38.2	.0	247.1
21	STONE & CLAY PRODUCTS	4.0	119.7	21.8	.0	42.7	25.5	45.1	13.5	1.3	48.1
22	PRIMARY IRON & STEEL	.0	391.4	29.4	10.1	82.6	11.8	7.3	52.6	.0	.0
23	PRIM. NONFERROUS METALS	.0	62.9	13.5	26.1	261.4	30.7	34.5	29.2	.0	27.6
24	MTNG, FLMNG & STR. META	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.8
25	OTHER FABRICATED METALS	33.0	672.6	203.3	28.6	311.6	548.4	99.8	220.6	85.3	2.5
26	ENGINES & TURBINES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	MACHINERY & EQUIPMENTS	165.0	90.4	159.3	30.5	308.0	18.9	67.0	155.5	23.4	12.9
28	OFFICE MACHINES	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
29	OTHER ELECTRICAL EQUIP.	6.0	11.1	3.1	1.5	21.3	1.0	11.4	1.6	3.5	.9
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	.0	4.4	.0	.0	.0	.0	.0	11.2	.0	.0
32	INSTRUMENTS	22.7	9.0	5.0	179.7	6.3	3.8	16.8	4.5	3.1	1.8
33	MISC. MANUFACTURING	343.1	12.7	3.4	30.2	.0	.8	.0	55.2	32.0	5.7
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	3.7	25.9	2.5	.7	30.4	6.9	514.5	12.7	3.7	1.4
36	GREAT LAKES TRANS.	.0	4.3	10.1	.0	.5	.0	7.7	.0	.1	3.9
37	RIVER & CANAL TRANS.	.0	20.2	1.8	.0	51.7	.0	95.1	.8	.0	.0
38	LOCAL WATER TRANS.	.0	6.4	.0	.0	.1	.0	9.7	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	465.2	1039.2	932.8	263.8	1149.7	334.6	1072.6	638.2	45.5	207.5
41	COMMUNICATIONS	142.9	70.4	72.1	248.6	71.9	65.7	21.5	90.9	19.8	13.0
42	UTILITIES	329.9	177.5	368.7	119.8	716.3	56.0	449.7	267.0	29.8	137.1
43	WHOLESALE & RETAIL TRAD	1265.*	727.9	868.7	545.5	459.8	455.5	270.6	672.2	224.1	101.3
44	FINANCE, INSURANCE & R.	696.1	336.9	385.5	1084.2	615.0	517.8	617.1	411.5	166.2	91.1
45	SERVICES	720.7	467.4	544.7	1039.7	672.9	2351.1	763.6	723.7	139.7	121.2
46	GOVERNMENT ENTERPRISES	74.6	18.5	19.7	280.3	21.9	25.7	15.4	17.2	14.9	4.3
47	NONCOMPETITIVE IMPORTS	61.5	2.1	.0	2.6	40.4	46.0	2.0	191.3	7.6	.0
48	DUMMY INDUSTRIES	228.9	111.9	99.6	325.1	136.1	231.1	36.6	218.7	34.4	30.1
49	EMPLOYMENT COMPENSATION	11808.0	5799.2	5365.9	8248.3	4164.0	3010.8	2164.1	6008.8	1710.8	1427.4
50	INDIRECT TAX	196.9	154.6	201.2	123.1	156.3	47.2	2959.1	610.6	17.8	31.6
51	PROPERTY INCOME	3429.5	2533.2	2626.3	2518.7	4032.6	2512.0	1215.8	2362.2	413.3	656.5
52	TOTAL	44763.9	20409.5	20520.1	21606.0	21239.5	14466.1	30006.1	20445.7	4837.0	3726.5
53	WATER TRANSPORTATION	3.7	56.8	14.4	.7	82.7	6.9	627.0	13.5	3.8	5.3

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	IRON ORES MINING	9.7	1498.3	2.0	.0	.0	.0	.0	.0	1.0	.0
5	NONFERROUS ORES MINING	12.4	56.7	1052.5	.0	.0	.0	.0	.0	6.8	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	837.6	736.1	15.4	1.1	13.2	2.1	7.2	1.2	8.1	.4
8	CONSTRUCTION	98.6	290.1	66.5	40.6	76.6	12.9	119.2	25.6	135.4	9.6
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	5.6	.7	7.8	.0	.0	.0	.0	.0	.0	.0
11	TEXTILES & APPAREL	76.3	21.2	18.8	10.3	34.7	2.0	42.3	11.5	65.8	3.5
12	LUMBER & WOOD PRODUCTS	25.6	68.4	85.6	22.6	87.8	.0	84.6	16.6	352.5	23.9
13	PAPER & PRODUCTS	228.6	26.6	29.6	77.5	263.3	15.3	57.7	62.9	448.7	1.4
14	PRINTING & PUBLISHING	2.3	3.9	11.9	.8	130.5	.0	1.6	80.7	39.5	.2
15	CHEMICALS & PRODUCTS	177.9	381.5	167.9	11.4	147.9	1.5	23.1	19.5	298.3	.4
16	OTHER CHEMICAL PRODUCTS	11.9	10.4	9.1	116.2	186.6	4.4	46.8	31.8	106.7	4.5
17	PETROLEUM REFINING	58.3	107.7	42.4	31.2	48.5	17.2	177.3	16.2	90.9	6.1
18	RUBBER & PLASTICS	119.7	30.5	201.4	19.7	258.2	6.1	354.8	123.1	966.7	3.0
19	LEATHER & PRODUCTS	2.5	1.7	5.5	.0	1.5	.8	5.5	1.0	8.8	.1
20	GLASS & PRODUCTS	.0	.0	.0	54.5	15.3	.0	.0	.0	421.3	4.6
21	STONE & CLAY PRODUCTS	1241.1	105.0	37.4	24.3	69.8	38.2	258.2	63.0	246.1	14.7
22	PRIMARY IRON & STEEL	120.3	6109.0	126.7	2939.5	5332.0	413.5	4094.8	362.5	1308.8	170.0
23	PRIM. NONFERROUS METALS	24.2	609.2	6895.4	840.8	1328.6	206.9	908.6	390.4	1887.8	91.0
24	MTNG. PLMNG & STR. META	.0	.0	.0	342.6	.0	7.4	163.1	24.5	9.0	142.6
25	OTHER FABRICATED METALS	120.0	560.8	165.4	546.2	1099.8	122.6	836.3	442.0	1535.1	67.0
26	ENGINES & TURBINES	8.2	.0	.0	.0	4.6	315.9	469.0	3.9	32.9	126.5
27	MACHINERY & EQUIPMENTS	141.2	801.7	341.4	252.6	497.9	242.7	4451.5	268.9	627.6	211.2
28	OFFICE MACHINES	.0	.0	.0	29.7	.0	.0	.0	1291.3	171.3	2.3
29	OTHER ELECTRICAL EQUIP.	35.5	304.2	57.8	117.2	28.6	117.1	916.9	1217.5	7704.0	29.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.1
31	OTHER TRANSPORTATION EQ	.0	.0	.0	.0	61.2	.0	2.4	5.6	53.7	.0
32	INSTRUMENTS	2.8	50.7	4.5	61.6	6.6	5.9	86.2	60.2	114.1	11.2
33	MISC. MANUFACTURING	25.4	9.5	13.6	1.0	1.1	.0	6.8	24.8	37.9	.2
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	7.0	26.2	.4	2.4	6.6	.3	3.3	.7	3.9	.0
36	GREAT LAKES TRANS.	8.2	5.9	.0	.2	.8	.1	1.5	.0	2.2	.0
37	RIVER & CANAL TRANS.	3.4	15.7	1.5	.0	.1	.0	.0	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	843.4	1139.6	313.2	320.1	469.6	34.2	478.7	127.9	475.7	26.4
41	COMMUNICATIONS	56.0	90.7	40.7	74.9	96.3	16.8	215.8	67.4	314.0	13.7
42	UTILITIES	359.2	804.4	418.7	95.9	229.0	19.3	244.9	43.9	300.7	17.8
43	WHOLESALE & RETAIL TRAD	269.7	829.9	683.7	408.9	452.6	136.8	1174.8	480.2	1275.4	75.0
44	FINANCE, INSURANCE & R.	285.2	225.6	237.7	252.1	384.4	32.6	871.4	368.8	663.1	23.9
45	SERVICES	320.0	852.0	281.8	300.6	521.9	75.3	901.5	309.6	1477.3	42.4
46	GOVERNMENT ENTERPRISES	10.0	24.4	9.4	10.4	16.2	3.6	39.1	11.6	55.8	2.5
47	NONCOMPETITIVE IMPORTS	.0	.0	63.0	.0	.0	5.2	24.2	.0	86.3	.0
48	DUMMY INDUSTRIES	80.4	95.9	74.4	150.5	225.8	39.6	418.9	244.9	575.6	22.2
49	EMPLOYMENT COMPENSATION	3339.5	8944.1	3247.7	3423.7	7505.9	1056.7	13336.0	3354.8	15961.3	1115.2
50	INDIRECT TAX	101.0	354.2	147.0	52.1	176.1	25.2	202.4	-4.6	205.0	237.0
51	PROPERTY INCOME	1470.7	2768.3	1548.7	1076.9	3281.3	353.8	3989.2	1120.9	4289.9	-57.6
52	TOTAL	10539.2	27990.6	16726.4	11710.3	23061.5	3331.7	35035.6	10690.7	42586.8	2467.5
53	WATER TRANSPORTATION	18.6	47.8	1.9	2.6	7.5	.4	4.8	.7	6.1	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
2	OTHER FARM PRODUCTS	.0	8.5	10.1	.0	.0	.0	.0	.0	.0	2.2
3	FOREST & FISH PRODUCTS	.0	.0	2.4	.0	.0	.0	.0	.0	.0	2.4
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.5
7	OTHER MINING	18.3	2.7	4.4	1.2	.4	.1	.2	.1	.8	17.5
8	CONSTRUCTION	173.8	36.5	23.0	26.9	9.4	2.3	5.1	16.4	.5	83.2
9	ORDNANCE & ACCESSORIES	59.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	15.5	1.6	.6	.1	.3	.1	1.1	162.6
11	TEXTILES & APPAREL	845.0	98.8	229.3	22.4	7.7	1.9	4.1	1.8	14.1	97.7
12	LUMBER & WOOD PRODUCTS	445.6	7.4	153.7	.0	.0	.0	.0	.0	.0	50.7
13	PAPER & PRODUCTS	143.5	124.1	415.9	4.5	1.6	.3	.9	.4	2.7	88.0
14	PRINTING & PUBLISHING	5.5	.0	.0	.6	.2	.0	.1	.0	.4	53.6
15	CHEMICALS & PRODUCTS	63.8	220.2	42.3	.0	.0	.0	.0	.0	.0	48.1
16	OTHER CHEMICAL PRODUCTS	189.9	3.3	43.9	12.9	4.5	1.1	2.4	1.0	8.2	55.9
17	PETROLEUM REFINING	164.M	10.9	26.7	68.5	23.8	5.8	12.8	5.5	43.6	1891.0
18	RUBBER & PLASTICS	1155.2	205.1	524.3	4.9	1.7	.4	.8	.4	2.9	298.4
19	LEATHER & PRODUCTS	2.6	.0	41.9	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	368.5	55.0	31.7	6.2	2.2	.5	1.1	.5	4.0	28.5
21	STONE & CLAY PRODUCTS	142.9	16.7	21.4	1.0	.3	.1	.2	.1	.6	12.8
22	PRIMARY IRON & STEEL	4058.8	160.8	240.9	23.6	8.3	2.0	4.4	1.9	15.0	284.8
23	PRIM. NONFERROUS METALS	1526.4	360.0	374.2	22.2	7.7	1.9	4.1	1.8	14.1	21.4
24	HTNG, PLMNG & STR. META	121.5	4.4	1.8	.0	.0	.0	.0	.0	.0	18.0
25	OTHER FABRICATED METALS	4561.3	301.8	214.7	54.2	18.8	4.5	10.1	4.3	34.4	168.1
26	ENGINES & TURBINES	332.1	.0	.0	3.2	1.1	.3	.6	.3	2.0	70.1
27	MACHINERY & EQUIPMENTS	2368.1	117.8	7.2	19.4	6.6	1.7	3.6	1.5	12.3	116.1
28	OFFICE MACHINES	404.3	.0	1.9	.0	.0	.0	.0	.0	.0	6.8
29	OTHER ELECTRICAL EQUIP.	1725.0	346.3	98.5	3.4	1.3	.4	.6	.5	2.1	183.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	103.7	36.1	8.8	19.3	8.4	66.0	.0
31	OTHER TRANSPORTATION EQ	17749.0	12.8	.0	12.0	4.2	.9	2.2	.9	7.7	540.0
32	INSTRUMENTS	497.7	561.6	3.0	7.6	2.6	.6	1.4	.6	4.7	23.8
33	MISC. MANUFACTURING	44.3	9.5	610.6	2.5	.9	.2	.5	.2	1.5	11.8
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	6.7	.1	5.5	.0	22.8	.0	.0	.0	.0	.0
36	GREAT LAKES TRANS.	3.7	.0	.5	.0	.0	.2	.0	.0	.0	.0
37	RIVER & CANAL TRANS.	.1	.0	2.4	.0	.0	.0	102.9	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	79.5	90.5	.0	44.8	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	249.0	224.3	7.9	17.1	1.3	19.8	.0
40	OTHER TRANS. & STORAGE	1233.6	48.1	135.6	112.3	52.9	14.2	26.1	5.6	29.4	3908.7
41	COMMUNICATIONS	260.4	70.6	43.3	16.2	5.7	1.4	3.0	1.3	10.3	477.0
42	UTILITIES	316.7	47.6	46.3	9.3	3.1	.8	1.8	.8	5.7	371.3
43	WHOLESALE & RETAIL TRAD	1528.0	261.6	334.3	.0	.0	.0	.0	.0	.0	1623.3
44	FINANCE, INSURANCE & R.	762.2	200.6	195.9	94.3	32.7	8.1	17.7	7.6	59.9	1905.6
45	SERVICES	2041.8	391.2	362.8	76.3	26.6	6.4	14.2	6.2	48.6	1658.9
46	GOVERNMENT ENTERPRISES	76.3	13.2	20.0	12.6	4.4	1.0	2.2	.9	8.0	151.8
47	NONCOMPETITIVE IMPORTS	60.0	.9	181.4	232.6	80.9	19.8	43.3	18.8	148.0	375.0
48	DUMMY INDUSTRIES	459.9	155.0	101.7	14.2	5.0	1.2	2.7	1.2	9.1	314.8
49	EMPLOYMENT COMPENSATION	18260.3	3103.3	2685.8	364.2	226.6	46.5	198.6	149.8	684.6	20650.0
50	INDIRECT TAX	2053.9	13.4	33.6	41.6	25.9	9.5	15.2	11.5	62.2	1636.4
51	PROPERTY INCOME	3075.6	1795.1	954.4	244.7	152.1	91.9	24.5	18.4	395.3	7062.7
52	TOTAL	67326.6	8767.7	8242.7	1949.5	1094.3	242.8	588.9	270.1	1719.8	44471.7
53	WATER TRANSPORTATION	10.5	.1	8.4	79.5	114.1	.2	147.7	.0	.0	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	69.4	.0	.0	31.2	1811.2	.0
2	OTHER FARM PRODUCTS	.8	1.0	10.1	17.9	235.4	2.3	.0	121.1	3756.2	.0
3	FOREST & FISH PRODUCTS	.0	5.4	137.5	149.3	26.0	.0	.0	52.6	584.3	.0
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	2518.4	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	.0	1074.9	.0	15.6	16.0	9.2	.0	17.5	127.6	.0
8	CONSTRUCTION	54.5	176.9	507.4	1405.0	1297.2	133.2	.0	2.3	.0	54337.9
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.8	.0	.0	16.1	322.1	25.1
10	FOOD PRODUCTS & TOBACCO	.0	.0	28.7	.0	504.4	.0	.0	3148.6	66244.0	.0
11	TEXTILES & APPAREL	5.2	19.2	112.6	1.0	320.6	21.1	.0	29.1	20227.0	88.9
12	LUMBER & WOOD PRODUCTS	2.9	6.3	125.2	116.5	10.5	2.5	.0	19.7	4293.3	1803.3
13	PAPER & PRODUCTS	21.4	31.1	1491.8	274.9	375.1	9.9	.0	551.0	1574.7	.0
14	PRINTING & PUBLISHING	41.0	16.8	217.9	446.6	10067.0	36.1	.0	1540.1	4119.3	.0
15	CHEMICALS & PRODUCTS	.5	68.3	12.7	171.4	308.1	95.6	.0	36.9	504.2	.0
16	OTHER CHEMICAL PRODUCTS	16.6	37.1	66.4	431.9	1789.9	35.6	.0	86.8	7345.2	.0
17	PETROLEUM REFINING	71.2	368.1	1559.3	381.4	765.0	65.9	.0	3.4	10194.3	.0
18	RUBBER & PLASTICS	25.0	32.3	560.5	143.6	992.1	14.0	.0	29.2	2267.0	30.0
19	LEATHER & PRODUCTS	.0	.0	6.3	.0	220.6	1.6	.0	48.0	3659.1	.0
20	GLASS & PRODUCTS	.6	2.5	124.7	31.7	145.3	1.0	.0	5.4	317.3	.0
21	STONE & CLAY PRODUCTS	8.5	67.0	38.4	121.9	248.7	6.9	.0	11.5	244.4	.0
22	PRIMARY IRON & STEEL	1.0	57.2	.0	18.1	10.7	.0	.0	6.5	3.5	.0
23	PRIM. NONFERROUS METALS	20.5	34.9	.0	51.6	5.7	1.1	.0	7.0	14.6	34.3
24	MTNG. PLMNG & STR. META	33.5	66.4	.0	421.7	.0	7.2	.0	2.2	65.7	932.7
25	OTHER FABRICATED METALS	2.1	108.8	209.8	122.0	1944.3	10.6	.0	25.6	1148.2	347.4
26	ENGINES & TURBINES	.0	.0	.0	.0	103.1	.0	.0	.5	144.4	735.3
27	MACHINERY & EQUIPMENTS	1.1	46.6	25.6	60.0	966.2	12.1	.0	42.1	152.2	15037.2
28	OFFICE MACHINES	2.3	3.5	.0	4.0	368.5	3.5	.0	13.8	515.9	5081.1
29	OTHER ELECTRICAL EQUIP.	311.5	102.3	45.4	284.2	1047.1	12.2	.0	175.7	8565.9	6245.0
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	1.9	.0	.0	.0	456.9
31	OTHER TRANSPORTATION EQ	3.3	4.0	35.4	.0	1357.6	8.8	.0	22.8	17339.0	14395.0
32	INSTRUMENTS	3.1	.8	.0	7.3	993.8	2.1	.0	249.8	1240.6	2051.1
33	MISC. MANUFACTURING	3.8	2.6	91.5	70.4	1107.2	2.5	.0	450.4	4417.1	532.6
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	14.7	.0	.0	57.0	.0
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.0	.4	.0	3.1	4.0	.0
36	GREAT LAKES TRANS.	.0	.0	.0	.0	.0	.1	.0	.1	3.6	.0
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	.0	.2	.0	.2	1.4	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	41.0	.0
40	OTHER TRANS. & STORAGE	66.5	34.7	993.1	263.0	371.3	788.5	.0	3332.1	10642.6	806.1
41	COMMUNICATIONS	358.1	122.4	1840.3	1140.9	5247.6	22.9	.0	.4	7836.8	1095.7
42	UTILITIES	178.7	7933.0	2441.0	768.7	2224.5	160.8	.0	13.8	13934.9	.0
43	WHOLESALE & RETAIL TRAD	224.7	329.4	3541.3	1463.8	4380.4	60.9	.0	749.3	109366.9	6543.7
44	FINANCE, INSURANCE & R.	624.1	486.3	11246.4	17026.2	6733.9	328.1	.0	1.9	96099.0	2100.0
45	SERVICES	1922.4	598.2	11435.0	7577.9	11255.0	381.9	.0	1688.0	74813.6	.0
46	GOVERNMENT ENTERPRISES	90.9	116.9	1908.8	1180.7	1083.1	4.8	.0	21.1	2147.9	.0
47	NONCOMPETITIVE IMPORTS	133.2	.6	46.4	85.7	76.4	341.1	.0	2.0	9869.6	657.9
48	DUMMY INDUSTRIES	324.3	223.7	2515.1	1653.0	2924.4	55.4	.0	10.4	.0	.0
49	EMPLOYMENT COMPENSATION	7340.5	6056.6	71309.7	24064.4	53263.6	7146.8	.0	.0	.0	.0
50	INDIRECT TAX	2546.5	2366.4	22460.3	21835.4	1851.0	.8	.0	.0	.0	.0
51	PROPERTY INCOME	7511.4	13978.2	26894.6	73183.3	32194.9	-1504.1	.0	.0	.0	.0
52	TOTAL	22411.5	37098.8	161859.1	155081.0	148922.6	8300.0	.0	12570.0	486040.3	113337.2
53	WATER TRANSPORTATION	.0	.0	.0	.0	.0	15.4	.0	3.4	69.7	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	51	52	53	54	55	56	57	58
1	LIVESTOCK & PRODUCTS	129.0	55.0	4.6	3.7	14.5	-218.9	29171.6	.0
2	OTHER FARM PRODUCTS	1030.7	3183.8	7.2	-813.2	72.8	-408.3	26188.7	.0
3	FOREST & FISH PRODUCTS	2.3	61.8	14.5	-258.5	29.2	-510.3	4216.1	.0
4	IRON ORES MINING	25.3	122.4	-65.1	-.4	.0	-631.1	1102.9	.0
5	NONFERROUS ORES MINING	12.3	35.2	58.3	67.4	.0	-381.0	1223.0	.0
6	CRUDE OIL & NATURAL GAS	256.7	82.1	.0	.0	.0	-1225.0	13640.9	.0
7	OTHER MINING	144.8	538.3	34.8	5.6	6.7	-223.0	6141.3	2.0
8	CONSTRUCTION	-.8	15.1	1098.5	2766.8	26302.3	.0	91650.2	60.1
9	ORDNANCE & ACCESSORIES	147.0	308.7	6431.8	1833.9	6.9	-75.4	9876.3	.0
10	FOOD PRODUCTS & TOBACCO	1088.6	2507.1	206.5	569.1	476.2	-1566.5	94704.3	2.7
11	TEXTILES & APPAREL	551.2	582.6	506.7	50.9	87.2	-1042.1	44808.4	37.9
12	LUMBER & WOOD PRODUCTS	213.5	412.9	108.5	91.2	328.5	-984.5	19857.8	.0
13	PAPER & PRODUCTS	266.9	672.4	90.6	59.7	199.8	-1423.4	20522.7	7.7
14	PRINTING & PUBLISHING	296.8	251.8	179.5	48.7	863.7	-20.8	21560.2	1.1
15	CHEMICALS & PRODUCTS	305.4	1710.3	1285.8	465.7	113.3	-738.2	20815.4	.0
16	OTHER CHEMICAL PRODUCTS	275.7	482.6	123.7	71.9	529.9	-135.2	14789.6	21.9
17	PETROLEUM REFINING	541.3	764.7	938.9	139.3	291.8	-1139.0	29658.8	116.4
18	RUBBER & PLASTICS	168.3	992.6	419.8	37.5	172.7	-379.3	20100.4	8.2
19	LEATHER & PRODUCTS	14.7	62.8	18.3	3.7	2.7	-95.7	5117.4	.0
20	GLASS & PRODUCTS	38.9	145.3	10.0	8.4	53.0	-124.0	3642.8	10.5
21	STONE & CLAY PRODUCTS	127.4	177.0	22.7	3.7	12.9	-206.2	10408.9	1.7
22	PRIMARY IRON & STEEL	514.2	518.5	266.4	3.8	2.0	-1625.3	28667.0	40.2
23	PRIM. NONFERROUS METALS	336.5	725.8	41.8	-33.9	.2	-2162.5	17234.9	37.7
24	HTNG, PLMNG & STR. META	128.0	284.4	178.7	43.0	.0	-64.2	11937.9	.0
25	OTHER FABRICATED METALS	344.2	724.6	346.9	68.2	45.5	-485.1	22861.4	91.9
26	ENGINES & TURBINES	54.6	393.5	365.9	48.9	9.2	-84.5	3343.3	5.5
27	MACHINERY & EQUIPMENTS	918.2	3787.0	889.7	152.2	260.1	-1247.6	34901.7	32.8
28	OFFICE MACHINES	261.5	1069.0	338.7	297.4	285.6	-252.6	10714.6	.0
29	OTHER ELECTRICAL EQUIP.	1066.7	1989.1	6716.9	922.4	325.0	-1317.5	42369.4	6.2
30	SHIPBUILDING & REPAIR	171.1	36.7	1281.6	178.4	.0	-11.8	2382.2	176.3
31	OTHER TRANSPORTATION EQ	1637.2	3966.0	8832.0	1006.4	754.0	-1072.4	67268.0	20.2
32	INSTRUMENTS	183.7	878.6	841.6	206.5	297.2	-306.1	8761.3	12.8
33	MISC. MANUFACTURING	147.3	332.0	58.6	39.6	164.3	-660.4	8257.1	4.3
34	DEEPSEA FOREIGN TRANS.	.0	800.8	651.0	-.1	.0	360.0	1834.2	.8
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.1	.0	1059.8	22.8
36	GREAT LAKES TRANS.	.0	8.8	.0	.0	.0	.0	264.3	.2
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	.2	.0	589.5	102.9
38	LOCAL WATER TRANS.	.0	.0	.0	.0	6.3	.0	258.8	214.8
39	SERVICE TO WATER TRANS.	.0	1029.0	149.3	.0	.0	.0	1738.7	499.6
40	OTHER TRANS. & STORAGE	208.3	1959.8	2154.8	544.8	966.5	-94.3	50334.2	211.1
41	COMMUNICATIONS	.0	139.6	405.1	138.4	482.4	.0	22426.8	27.6
42	UTILITIES	.0	74.3	294.8	49.2	1598.5	-145.1	37056.1	15.8
43	WHOLESALE & RETAIL TRAD	507.9	2614.8	1141.7	255.4	384.2	1285.5	162649.7	.0
44	FINANCE, INSURANCE & R.	.0	667.5	145.2	199.6	1021.2	100.2	159472.9	160.4
45	SERVICES	-56.8	791.8	3712.5	2072.9	4280.8	.0	149524.7	129.7
46	GOVERNMENT ENTERPRISES	.0	106.4	230.9	336.2	252.3	.0	8634.9	21.1
47	NONCOMPETITIVE IMPORTS	-99.7	.0	2876.9	1087.2	3.4	-18247.2	.0	395.4
48	DUMMY INDUSTRIES	.0	.0	98.8	76.9	294.0	-356.0	13868.2	24.3
49	EMPLOYMENT COMPENSATION	.0	.0	.0	.0	.0	.0	381813.7	985.7
50	INDIRECT TAX	.0	.0	.0	.0	.0	.0	70311.8	103.7
51	PROPERTY INCOME	.0	.0	.0	.0	.0	.0	254779.6	531.6
52	TOTAL	11978.9	36062.5	43535.4	12868.5	40997.1	-37914.8	2065204.2	4145.6
53	WATER TRANSPORTATION	.0	809.6	651.0	-.1	6.6	360.0	4056.6	.0

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1967

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	.192904	.054227	.046834	.000000	.000000	.000000	.000000	.000000	.000000	.208555
2	OTHER FARM PRODUCTS	.287298	.034323	.004279	.000000	.000000	.000000	.000000	.000875	.000000	.087647
3	FOREST & FISH PRODUCTS	.020595	.050861	.019734	.000000	.000000	.000308	.000000	.001243	.000000	.004464
4	IRON ORES MINING	.000000	.000000	.000000	.023326	.000000	.000000	.000000	.000008	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.014142	.174221	.000000	.000261	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.027537	.000179	.000000	.000000	.000000
7	OTHER MINING	.000107	.005020	.000000	.003671	.000000	.000000	.085636	.009414	.000228	.000551
8	CONSTRUCTION	.010303	.014058	.000237	.027542	.012395	.003474	.007070	.000776	.002560	.002746
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000068	.000000
10	FOOD PRODUCTS & TOBACCO	.124625	.000000	.016081	.000000	.000000	.000000	.000000	.000000	.000000	.179824
11	TEXTILES & APPAREL	.000329	.003077	.026015	.001813	.000000	.000396	.005079	.003014	.002594	.001523
12	LUMBER & WOOD PRODUCTS	.000079	.004059	.003200	.003272	.008848	.000000	.003729	.059495	.008198	.001303
13	PAPER & PRODUCTS	.000545	.000116	.029165	.000000	.000000	.000065	.003874	.003143	.008051	.022295
14	PRINTING & PUBLISHING	.000189	.000342	.000000	.000000	.000000	.000000	.000071	.000119	.000119	.005653
15	CHEMICALS & PRODUCTS	.002559	.087365	.006900	.025105	.040960	.009181	.019579	.001890	.025356	.003868
16	OTHER CHEMICAL PRODUCTS	.001841	.000000	.000593	.000000	.000000	.000763	.000000	.013506	.000086	.002575
17	PETROLEUM REFINING	.005654	.034190	.011930	.003920	.004169	.002017	.016182	.020786	.002692	.002190
18	RUBBER & PLASTICS	.001228	.006195	.001376	.013281	.006908	.002596	.010650	.008062	.010978	.009485
19	LEATHER & PRODUCTS	.000312	.000000	.000190	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.000192	.000000	.000000	.000000	.000000	.000000	.000000	.002710	.000302	.010567
21	STONE & CLAY PRODUCTS	.000065	.000915	.000000	.000639	.001795	.007595	.002281	.073645	.001255	.000000
22	PRIMARY IRON & STEEL	.000000	.000000	.000009	.037057	.033616	.013874	.017896	.017350	.052984	.000139
23	PRIM. NONFERROUS METALS	.000027	.000023	.000000	.003453	.000654	.000000	.002449	.026542	.029967	.000056
24	METAL FLMNG & STR. META	.000000	.000000	.000000	.000000	.000000	.003000	.001011	.007264	.000000	.000000
25	OTHER FABRICATED METALS	.002505	.001978	.015053	.003919	.007147	.005116	.011228	.019921	.024088	.025526
26	ENGINES & TURBINES	.000000	.000000	.001115	.003649	.007187	.003563	.006361	.000999	.000491	.000000
27	MACHINERY & EQUIPMENTS	.000432	.011554	.000308	.025444	.062499	.017244	.029762	.010355	.020325	.002620
28	OFFICE MACHINES	.000008	.000000	.000000	.000000	.000000	.000000	.000000	.008423	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000449	.001476	.000451	.001727	.000659	.012518	.002570	.026113	.028980	.000039
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000233	.000502	.003967	.005077	.001807	.000000	.000000	.000086	.048045	.000039
32	INSTRUMENTS	.000000	.000000	.000000	.000000	.000000	.000682	.000000	.003247	.005410	.000119
33	MISC. MANUFACTURING	.000048	.000072	.001020	.000000	.000000	.000036	.002128	.000000	.000050	.000094
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000010	.000244	.000571	.000000	.000436	.017207	.006411	.000000	.000030	.000590
36	GREAT LAKES TRANS.	.000000	.000305	.000000	.058824	.000000	.000007	.012444	.000000	.000000	.000129
37	RIVER & CANAL TRANS.	.000000	.003068	.002518	.014591	.003928	.002798	.017630	.000000	.000000	.000134
38	LOCAL WATER TRANS.	.000000	.000004	.003110	.000404	.000000	.000040	.000094	.000000	.000000	.000011
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.033008	.091091	.028020	.039500	.016009	.044771	.371854	.027422	.012342	.021859
41	COMMUNICATIONS	.002574	.002606	.000261	.001903	.001858	.000029	.001603	.003632	.011501	.003021
42	UTILITIES	.003293	.007732	.000683	.044456	.032531	.010481	.030581	.000925	.005649	.006740
43	WHOLESALE & RETAIL TRAD	.044602	.055965	.019649	.015890	.015675	.010994	.021038	.089488	.028224	.033878
44	FINANCE, INSURANCE & R.	.027832	.087715	.031816	.126168	.056775	.184324	.057639	.014583	.006736	.011188
45	SERVICES	.013159	.051989	.002967	.058083	.019734	.019025	.035167	.058028	.033831	.039862
46	GOVERNMENT ENTERPRISES	.000110	.000132	.000000	.001185	.001128	.000465	.000806	.000703	.001474	.000944
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.008681	.000000	.000000	.000000	.001080	.000000	.000000	.013920
48	DUMMY INDUSTRIES	.001194	.001694	.010209	.004770	.010033	.007175	.005438	.007478	.018945	.004848
	COLUMN TOTAL	.778361	.612901	.296935	.623711	.520974	.410882	.787401	.615006	.472760	.715002
	U.S. MERCHANT MARINE	.000010	.003621	.006199	.073818	.004364	.020053	.036579	.000000	.000030	.000864

TABLE 2. MARAD I-O TABLE OF U. S. ECONOMY: DIRECT REQUIREMENTS, 1967

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.005807	.000000	.000000	.000000	.000000	.000805	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.026281	.000000	.000000	.000000	.001721	.003928	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.003691	.056643	.000000	.000000	.000596	.000183	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.002273	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.003341	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.002306	.000000	.389716	.000000	.000000	.000000
7	OTHER MINING	.000440	.000260	.007396	.000000	.035421	.002439	.002237	.002756	.000332	.013238
8	CONSTRUCTION	.001980	.004683	.007006	.003552	.007676	.003880	.011867	.005129	.001459	.008743
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000712	.000000	.005591	.000000	.003952	.017680	.001007	.002408	.000214	.000000
11	TEXTILES & APPAREL	.425389	.024730	.008751	.004602	.001201	.000685	.000089	.038219	.061122	.001109
12	LUMBER & WOOD PRODUCTS	.000264	.236698	.057289	.000000	.002734	.000414	.000050	.001627	.008917	.009684
13	PAPER & PRODUCTS	.007340	.008677	.273465	.149640	.012504	.031875	.005289	.028322	.018546	.062360
14	PRINTING & PUBLISHING	.000206	.000025	.000284	.116910	.000075	.001794	.000064	.000000	.000000	.000000
15	CHEMICALS & PRODUCTS	.011258	.008762	.035587	.018547	.206448	.105341	.019091	.148733	.011644	.024013
16	OTHER CHEMICAL PRODUCTS	.000893	.008740	.001087	.000678	.002336	.048776	.002503	.003550	.008895	.005320
17	PETROLEUM REFINING	.061069	.005834	.006284	.001752	.087550	.003922	.216693	.000761	.001224	.001847
18	RUBBER & PLASTICS	.064176	.020172	.024166	.005728	.008367	.046686	.001748	.149043	.066812	.025402
19	LEATHER & PRODUCTS	.001655	.000237	.000024	.000023	.000033	.000000	.000017	.000434	.196138	.000000
20	GLASS & PRODUCTS	.001555	.003627	.000000	.000000	.000323	.013310	.000000	.001900	.000000	.067824
21	STONE & CLAY PRODUCTS	.000088	.006028	.001063	.000000	.002054	.001725	.001520	.000673	.000254	.013200
22	PRIMARY IRON & STEEL	.000000	.019713	.001435	.000468	.003968	.000796	.000245	.001620	.000000	.000000
23	PRIM. NONFERROUS METALS	.000000	.003168	.000658	.001211	.012556	.002076	.001162	.001452	.000000	.007577
24	MTNG. PLMNG & STR. META	.000000	.000458	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000217
25	OTHER FABRICATED METALS	.000736	.033871	.009905	.001327	.014969	.037080	.003366	.010974	.016677	.000687
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
27	MACHINERY & EQUIPMENTS	.033683	.004553	.007764	.001417	.014795	.001280	.002933	.007736	.004575	.003553
28	OFFICE MACHINES	.000000	.000141	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000134	.000558	.000150	.000068	.001021	.000066	.000386	.000081	.000684	.000243
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000221	.000000	.000000	.000000	.000000	.000000	.000558	.000000	.000000
32	INSTRUMENTS	.000507	.000455	.000244	.008332	.000305	.000254	.000566	.000216	.000600	.000498
33	MISC. MANUFACTURING	.007656	.000637	.000166	.001399	.000000	.000054	.000000	.002746	.006253	.001564
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000081	.001243	.000114	.000032	.001410	.000462	.016706	.000620	.000710	.000372
36	GREAT LAKES TRANS.	.000000	.000206	.000460	.000000	.000023	.000000	.000250	.000000	.000019	.001035
37	RIVER & CANAL TRANS.	.000000	.000969	.000082	.000000	.002399	.000000	.003088	.000039	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000307	.000000	.000000	.000005	.000000	.000315	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.010145	.049859	.042503	.012223	.053339	.022422	.034826	.031165	.008732	.055074
41	COMMUNICATIONS	.003190	.003545	.003514	.011533	.003454	.004439	.000723	.004525	.003868	.003568
42	UTILITIES	.007362	.006938	.016938	.005554	.034414	.003784	.015163	.013283	.005827	.037647
43	WHOLESALE & RETAIL TRAD	.028250	.030654	.032582	.025302	.022089	.030796	.009123	.033440	.043800	.027810
44	FINANCE, INSURANCE & R.	.015536	.016964	.018786	.050285	.029544	.035012	.027550	.020473	.020753	.025001
45	SERVICES	.016085	.023537	.026539	.048224	.032329	.158968	.025746	.036003	.027297	.033282
46	GOVERNMENT ENTERPRISES	.001665	.000933	.000959	.013002	.001050	.001734	.000520	.000856	.002920	.001183
47	NONCOMPETITIVE IMPORTS	.001372	.000106	.000000	.000120	.001940	.003108	.000066	.009517	.001484	.000000
48	DUMMY INDUSTRIES	.005109	.005636	.004852	.015080	.006540	.015628	.001235	.010881	.006732	.008269
	COLUMN TOTAL	.654314	.597788	.597644	.497007	.617062	.601305	.795859	.569737	.526488	.440332
	U.S. MERCHANT MARINE	.000081	.002725	.000656	.000032	.003837	.000462	.020359	.000659	.000729	.001407

TABLE 2. MARAD I-O TABLE OF U. S. ECONOMY: DIRECT REQUIREMENTS, 1967

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000928	.052260	.000111	.000000	.000000	.000000	.000000	.000000	.000024	.000000
5	NONFERROUS ORES MINING	.001193	.001976	.058013	.000000	.000000	.000000	.000000	.000000	.000160	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.080469	.025679	.000865	.000094	.000578	.000615	.000205	.000115	.000191	.000157
8	CONSTRUCTION	.009468	.010119	.003731	.003405	.003350	.003865	.003414	.002390	.003195	.004037
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000540	.000024	.000437	.000000	.000000	.000000	.000000	.000000	.000000	.000000
11	TEXTILES & APPAREL	.007329	.000740	.001057	.000860	.001516	.000584	.001213	.001072	.001554	.001476
12	LUMBER & WOOD PRODUCTS	.002455	.002386	.004800	.001897	.003843	.000000	.002424	.001553	.008320	.010042
13	PAPER & PRODUCTS	.021959	.000926	.001660	.006492	.011518	.004562	.001655	.005867	.010591	.000576
14	PRINTING & PUBLISHING	.000221	.000135	.000665	.000069	.005707	.000000	.000046	.007536	.000933	.000080
15	CHEMICALS & PRODUCTS	.017090	.013307	.009413	.000954	.006468	.000456	.000663	.001816	.007040	.000157
16	OTHER CHEMICAL PRODUCTS	.001132	.000363	.000511	.009730	.008163	.001319	.001340	.002970	.002518	.001884
17	PETROLEUM REFINING	.005603	.003758	.002375	.002611	.002120	.005134	.005080	.001516	.002145	.002559
18	RUBBER & PLASTICS	.011499	.001064	.011292	.001647	.011292	.001813	.010166	.011482	.022862	.001264
19	LEATHER & PRODUCTS	.000245	.000058	.000310	.000000	.000065	.000238	.000157	.000094	.000209	.000041
20	GLASS & PRODUCTS	.000000	.000000	.000000	.004565	.000691	.000000	.000000	.000000	.009943	.001920
21	STONE & CLAY PRODUCTS	.119238	.003661	.002095	.002039	.003053	.011430	.007399	.005878	.005809	.006167
22	PRIMARY IRON & STEEL	.011560	.213104	.007105	.246233	.233234	.123667	.117324	.035696	.030890	.071351
23	PRIM. NONFERROUS METALS	.002322	.021252	.386625	.070429	.058116	.061882	.026034	.036432	.044555	.032187
24	FBTG. PLATG & STR. METAL	.000000	.000000	.000000	.028701	.000000	.002312	.005246	.002291	.000212	.059877
25	OTHER FABRICATED METALS	.011529	.019564	.009275	.045752	.048109	.036674	.023962	.041249	.036231	.028120
26	ENGINES & TURBINES	.000789	.000000	.000000	.000000	.000199	.094501	.013438	.000369	.000776	.053120
27	MACHINERY & EQUIPMENTS	.013586	.027965	.019140	.021174	.021781	.072593	.127543	.025096	.014812	.088646
28	OFFICE MACHINES	.000000	.000000	.000000	.002490	.000000	.000000	.000000	.120518	.004042	.000985
29	OTHER ELECTRICAL EQUIP.	.003406	.010610	.003241	.009814	.001250	.035036	.026272	.113626	.181829	.012420
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.010541
31	OTHER TRANSPORTATION EQ	.000000	.000000	.000000	.000000	.002679	.000000	.000068	.000523	.001268	.000000
32	INSTRUMENTS	.000270	.001767	.000250	.005157	.000289	.001758	.002469	.005618	.002692	.004685
33	MISC. MANUFACTURING	.002444	.000331	.000764	.000082	.000048	.000000	.000195	.002312	.000893	.000084
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000659	.000865	.000020	.000200	.000283	.000068	.000091	.000064	.000089	.000000
36	GREAT LAKES TRANS.	.000772	.000195	.000000	.000017	.000034	.000029	.000041	.000000	.000050	.000000
37	RIVER & CANAL TRANS.	.000320	.000518	.000075	.000000	.000004	.000000	.000000	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.079457	.037621	.015661	.026672	.020115	.009085	.013242	.011665	.010888	.011038
41	COMMUNICATIONS	.005379	.003164	.002280	.006276	.004211	.005011	.006184	.006292	.007412	.005754
42	UTILITIES	.034509	.028062	.023475	.008037	.010019	.005774	.007016	.004094	.007098	.007466
43	WHOLESALE & RETAIL TRAD	.025907	.028949	.038336	.034254	.019798	.040626	.033660	.044814	.030102	.031475
44	FINANCE, INSURANCE & R.	.027398	.007868	.013330	.021114	.016815	.009739	.024967	.034424	.020842	.010021
45	SERVICES	.030746	.030768	.015801	.025179	.022829	.022530	.025830	.028892	.034868	.017807
46	GOVERNMENT ENTERPRISES	.000965	.000851	.000525	.000875	.000708	.001066	.001119	.001082	.001317	.001040
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.003530	.000000	.000000	.001545	.000694	.000000	.002036	.000000
48	DUMMY INDUSTRIES	.007720	.003344	.004170	.012605	.009876	.011833	.012003	.022856	.013586	.009311
	COLUMN TOTAL	.539088	.553259	.641937	.599422	.528761	.566865	.501159	.580209	.521984	.492992
	U.S. MERCHANT MARINE	.001752	.001578	.000095	.000217	.000321	.000117	.000133	.000064	.000140	.000000

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1967

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000075
2	OTHER FARM PRODUCTS	.000000	.000967	.001223	.000000	.000000	.000000	.000000	.000000	.000000	.000044
3	FOREST & FISH PRODUCTS	.000000	.000000	.000291	.000000	.000000	.000000	.000000	.000000	.000000	.000048
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000296	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000507
7	OTHER MINING	.000271	.000312	.000533	.000637	.000377	.000378	.000339	.000386	.000472	.000348
8	CONSTRUCTION	.002583	.004158	.002783	.014277	.008870	.008702	.008651	.063369	.000270	.001653
9	ORDNANCE & ACCESSORIES	.000886	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.001873	.000849	.000566	.000378	.000509	.000386	.000607	.003230
11	TEXTILES & APPAREL	.012558	.011255	.027766	.011888	.007266	.007189	.006955	.006955	.008095	.001941
12	LUMBER & WOOD PRODUCTS	.006622	.000844	.018611	.000000	.000000	.000000	.000000	.000000	.000000	.001007
13	PAPER & PRODUCTS	.002132	.014133	.050363	.002388	.001510	.001135	.001527	.001546	.001552	.001748
14	PRINTING & PUBLISHING	.000082	.000000	.000000	.000425	.000189	.000000	.000170	.000000	.000202	.001066
15	CHEMICALS & PRODUCTS	.000949	.025074	.005119	.000000	.000000	.000000	.000000	.000000	.000000	.000955
16	OTHER CHEMICAL PRODUCTS	.002822	.000377	.005320	.006846	.004246	.004162	.004071	.003864	.004722	.001110
17	PETROLEUM REFINING	.002449	.001242	.003229	.036355	.022457	.021645	.021713	.021252	.025095	.037569
18	RUBBER & PLASTICS	.016871	.023361	.063496	.002601	.001604	.001513	.001357	.001546	.001686	.005029
19	LEATHER & PRODUCTS	.000038	.000000	.005080	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.005476	.006265	.003841	.003291	.002076	.001892	.001866	.001932	.002294	.000568
21	STONE & CLAY PRODUCTS	.002124	.001906	.002596	.000531	.000283	.000378	.000339	.000386	.000337	.000254
22	PRIMARY IRON & STEEL	.060320	.018307	.029160	.012525	.007832	.007567	.007464	.007342	.008635	.005658
23	PRIM. NONFERROUS METALS	.022684	.040998	.045315	.011782	.007266	.007189	.006955	.006955	.008095	.000425
24	MTAG. PLMG & STR. MFTA	.001806	.000501	.000219	.000000	.000000	.000000	.000000	.000000	.000000	.000358
25	OTHER FABRICATED METALS	.067788	.034369	.025998	.028766	.017739	.017026	.017133	.016615	.019765	.003340
26	ENGINES & TURBINES	.004935	.000000	.000000	.001698	.001038	.001135	.001018	.001159	.001147	.001393
27	MACHINERY & EQUIPMENTS	.035490	.013420	.000871	.010296	.006228	.006432	.006107	.005796	.007083	.002308
28	OFFICE MACHINES	.006008	.000000	.000230	.000000	.000000	.000000	.000000	.000000	.000000	.000135
29	OTHER ELECTRICAL EQUIP.	.025637	.039436	.011928	.001804	.001227	.001513	.001018	.001932	.001214	.003647
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.055037	.034063	.033296	.032740	.032457	.037979	.000000
31	OTHER TRANSPORTATION EQ	.263776	.001462	.000000	.006369	.003963	.003405	.003732	.003478	.004452	.010728
32	INSTRUMENTS	.007396	.063958	.000362	.004034	.002453	.002270	.002375	.002318	.002698	.000472
33	MISC. MANUFACTURING	.000659	.001079	.073952	.001327	.000849	.000757	.000848	.000773	.000877	.000234
34	OFFSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000755	.000000	.000000	.000000	.000000	.000000
35	OFFSEA DOMESTIC TRANS.	.000098	.000011	.000617	.000000	.021513	.000000	.000000	.000000	.000000	.000000
36	GREAT LAKES TRANS.	.000054	.000000	.000056	.000000	.000000	.000757	.000000	.000000	.000000	.000000
37	RIVER & CANAL TRANS.	.000001	.000000	.000269	.000000	.000000	.000000	.174555	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.052159	.085393	.000000	.075997	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.163364	.211644	.029890	.029008	.005023	.011400	.000000
40	OTHER TRANS. & STORAGE	.018045	.005292	.015204	.073678	.049915	.053727	.044275	.021638	.016932	.077509
41	COMMUNICATIONS	.003870	.008036	.005247	.008598	.005378	.005297	.005089	.005023	.005936	.009477
42	UTILITIES	.004707	.005418	.005605	.004936	.002925	.003027	.003053	.003091	.003305	.007377
43	WHOLESALE & RETAIL TRAD	.022709	.029787	.040487	.000000	.000000	.000000	.000000	.000000	.000000	.032251
44	FINANCE, INSURANCE & R.	.011327	.022843	.023720	.050048	.030855	.030647	.030025	.029366	.034471	.037858
45	SERVICES	.030344	.044552	.043944	.040495	.025099	.024215	.024088	.023957	.027928	.032957
46	GOVERNMENT ENTERPRISES	.001134	.001508	.002417	.006687	.004152	.003784	.003732	.003478	.004587	.003016
47	NONCOMPETITIVE IMPORTS	.001188	.000101	.021968	.123448	.076335	.074015	.073452	.072643	.085133	.007449
48	DUMMY INDUSTRIES	.006835	.017653	.012319	.007536	.004718	.004540	.004580	.004637	.005262	.006253
	COLUMN TOTAL	.652676	.438917	.552031	.744673	.650783	.359062	.594741	.349304	.332233	.300896
	U.S. MERCHANT MARINE	.000154	.000011	.000942	.052159	.107662	.000757	.250551	.000000	.000000	.000000

TABLE 2. NARAL I-O TABLE OF U. S. ECONOMY: DIRECT REQUIREMENTS, 1967

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000464	.000000	.000000	.002250
2	OTHER FARM PRODUCTS	.000035	.000027	.000062	.000112	.001574	.000269	.000000	.008732
3	FOREST & FISH PRODUCTS	.000000	.000146	.000845	.000836	.000174	.000000	.000000	.003761
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000068
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000001
6	CRUDE OIL & NATURAL GAS	.000000	.067961	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.000000	.029008	.000000	.000098	.000107	.001060	.000000	.001264
8	CONSTRUCTION	.002430	.004774	.003120	.008811	.008676	.015429	.000000	.001167
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000005	.000000	.000000	.001164
10	FOOD PRODUCTS & TOBACCO	.000030	.000006	.000176	.000000	.003373	.000000	.000000	.227036
11	TEXTILES & APPAREL	.000232	.000518	.000692	.000006	.002144	.002441	.000000	.002098
12	LUMBER & WOOD PRODUCTS	.000169	.000170	.000770	.000731	.000070	.000286	.000000	.001418
13	PAPER & PRODUCTS	.000954	.000839	.009172	.001724	.002509	.001143	.000000	.039728
14	PRINTING & PUBLISHING	.001828	.000454	.001340	.002801	.067327	.004182	.000000	.111054
15	CHEMICALS & PRODUCTS	.000022	.001844	.000078	.001075	.002060	.011073	.000000	.002659
16	OTHER CHEMICAL PRODUCTS	.000740	.001001	.000408	.002709	.011071	.004124	.000000	.006259
17	PETROLEUM REFINING	.003174	.009933	.008357	.002392	.005116	.007628	.000000	.000244
18	RUBBER & PLASTICS	.001114	.000872	.003446	.000901	.006635	.001621	.000000	.002108
19	LEATHER & PRODUCTS	.000000	.000000	.000030	.000000	.001475	.000185	.000000	.003460
20	GLASS & PRODUCTS	.000027	.000067	.000767	.000199	.000972	.000121	.000000	.000389
21	STONE & CLAY PRODUCTS	.000379	.001808	.000236	.000764	.001663	.000801	.000000	.000829
22	PRIMARY IRON & STEEL	.000045	.001544	.000000	.000114	.000072	.000000	.000000	.000465
23	PRIM. NONFERROUS METALS	.000914	.000942	.000000	.000324	.000038	.000124	.000000	.000506
24	MTG. PLNG & STR. MFTA	.001494	.001792	.000000	.002644	.000060	.000836	.000000	.000157
25	OTHER FABRICATED METALS	.000094	.002937	.001290	.000765	.013003	.001229	.000000	.001843
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000690	.000000	.000000	.000033
27	MACHINERY & EQUIPMENTS	.000049	.001259	.000158	.000376	.006462	.001397	.000000	.003038
28	OFFICE MACHINES	.000103	.000094	.000000	.000025	.002598	.000400	.000000	.000996
29	OTHER ELECTRICAL EQUIP.	.013892	.002760	.000279	.001782	.007003	.001416	.000000	.012667
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000219	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000147	.000108	.000217	.000000	.009079	.001022	.000000	.001647
32	INSTRUMENTS	.000138	.000022	.000000	.000046	.006647	.000243	.000000	.018013
33	MISC. MANUFACTURING	.000169	.000070	.000562	.000441	.007405	.000286	.000000	.032479
34	OFFSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.001702	.000000	.000000
35	OFFSEA DOMESTIC TRANS.	.000000	.000000	.000000	.000000	.000000	.000046	.000000	.000218
36	GREAT LAKES TRANS.	.000000	.000000	.000000	.000000	.000000	.000012	.000000	.000007
37	RIVER & CANAL TRANS.	.000000	.000000	.000000	.000000	.000000	.000023	.000000	.000014
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.001182	.000934	.006154	.001650	.002483	.091316	.000000	.234255
41	COMMUNICATIONS	.015966	.003303	.011314	.007154	.035095	.002650	.000000	.000027
42	UTILITIES	.007967	.214081	.015008	.004946	.014877	.018616	.000000	.000992
43	WHOLESALE & RETAIL TRAD	.010020	.008889	.021773	.009305	.029295	.007052	.000000	.054027
44	FINANCE, INSURANCE & R.	.027827	.015122	.069145	.106766	.058411	.038002	.000000	.000140
45	SERVICES	.085719	.016144	.070304	.047518	.075272	.044228	.000000	.121714
46	GOVERNMENT ENTERPRISES	.004052	.003155	.011736	.007404	.007244	.000551	.000000	.001518
47	NONCOMPETITIVE IMPORTS	.005939	.000016	.000285	.000537	.000511	.039505	.000000	.000143
48	DUMMY INDUSTRIES	.014459	.006036	.015463	.010365	.019558	.006413	.000000	.000753
	COLUMN TOTAL	.201238	.396628	.253197	.225418	.412059	.307652	.000000	.900371
	U.S. MERCHANT MARINE	.000000	.000000	.000000	.000000	.000000	.001783	.000000	.000239

TABLE 3. MARAD I-O TABLE OF U. S. ECONOMY: DIRECT AND INDIRECT REQUIREMENTS, 1967

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	1.323325	.079626	.071150	.001811	.002036	.001448	.002481	.002855	.002889	.346788
2	OTHER FARM PRODUCTS	.413364	1.062035	.030536	.001767	.001759	.001231	.002312	.003379	.002523	.220060
3	FOREST & FISH PRODUCTS	.051017	.057900	1.024259	.001176	.001518	.000909	.001160	.007303	.001510	.025484
4	IRON ORES MINING	.000793	.001018	.000593	1.005167	.004632	.001799	.002894	.004659	.006018	.001167
5	NONFERROUS ORES MINING	.000763	.001152	.000433	.020487	1.212639	.000731	.001836	.005451	.005675	.000874
6	CRUDE OIL & NATURAL GAS	.019890	.031458	.010378	.014380	.013109	1.034826	.026725	.017433	.007919	.013957
7	OTHER MINING	.007063	.013075	.002229	.011057	.008055	.003472	1.099798	.022525	.006824	.006597
8	CONSTRUCTION	.024427	.021580	.004096	.036025	.019881	.007938	.015090	1.007685	.007647	.014702
9	ORDNANCE & ACCESSORIES	.000019	.000019	.000025	.000029	.000029	.000019	.000029	.000028	1.088208	.000023
10	FOOD PRODUCTS & TOBACCO	.206730	.018258	.035780	.005601	.006618	.004706	.007741	.007573	.009379	1.278355
11	TEXTILES & APPAREL	.009188	.012245	.049514	.008945	.003844	.002970	.015791	.014653	.011203	.010829
12	LUMBER & WOOD PRODUCTS	.007399	.010023	.009083	.010047	.017778	.002157	.009667	.082991	.016929	.010669
13	PAPER & PRODUCTS	.019681	.012875	.047508	.008765	.007799	.005731	.015636	.020459	.022293	.062841
14	PRINTING & PUBLISHING	.010481	.010412	.004472	.010941	.007383	.006482	.010198	.011914	.010065	.019041
15	CHEMICALS & PRODUCTS	.058864	.126249	.019488	.045762	.070588	.016706	.038256	.019985	.047085	.044088
16	OTHER CHEMICAL PRODUCTS	.005921	.003510	.002234	.003890	.002543	.003004	.003607	.019080	.002930	.007233
17	PETROLEUM REFINING	.045016	.072810	.024241	.022161	.021188	.012277	.055009	.039139	.015247	.029345
18	RUBBER & PLASTICS	.013375	.015252	.009909	.023746	.015691	.007001	.023283	.022457	.023749	.024311
19	LEATHER & PRODUCTS	.000788	.000347	.000514	.000339	.000263	.000192	.000331	.000471	.000382	.000470
20	GLASS & PRODUCTS	.003279	.000929	.000837	.001001	.000639	.000659	.001109	.005017	.001880	.015235
21	STONE & CLAY PRODUCTS	.003812	.004595	.001099	.005935	.006468	.010711	.006220	.087204	.004531	.003004
22	PRIMARY IRON & STEEL	.011250	.012247	.009500	.072673	.077084	.030593	.048921	.078959	.103204	.018451
23	PRIM. NONFERROUS METALS	.006648	.006135	.004449	.018084	.015319	.007630	.016169	.069382	.071558	.008723
24	MTNG. PLMNG & STR. META	.003055	.002979	.000718	.004928	.003060	.005871	.003804	.101506	.001378	.001662
25	OTHER FABRICATED METALS	.016785	.011858	.021033	.016014	.019166	.011274	.023831	.040199	.043491	.042586
26	ENGINES & TURBINES	.000691	.000991	.001564	.005952	.011372	.004755	.009583	.002155	.001908	.000614
27	MACHINERY & EQUIPMENTS	.011868	.021175	.004425	.042555	.095077	.024888	.046567	.026554	.038896	.012978
28	OFFICE MACHINES	.000564	.000615	.000204	.000848	.000479	.000378	.000634	.010522	.001055	.000538
29	OTHER ELECTRICAL EQUIP.	.005680	.007009	.002644	.009715	.008565	.019583	.011535	.040499	.046744	.004621
30	SHIPBUILDING & REPAIR	.000175	.000330	.000299	.003045	.000318	.000989	.001772	.000135	.000075	.000160
31	OTHER TRANSPORTATION EQ	.003862	.004462	.006805	.010623	.004608	.001845	.008380	.003027	.072996	.003304
32	INSTRUMENTS	.001311	.001484	.000751	.002023	.001532	.001041	.001938	.005954	.008620	.001699
33	MISC. MANUFACTURING	.001653	.001774	.002411	.001925	.001465	.001233	.001895	.004689	.002151	.001987
34	DEEPSEA FOREIGN TRANS.	.000008	.000009	.000004	.000010	.000008	.000020	.000016	.000009	.000007	.000009
35	DEEPSEA DOMESTIC TRANS.	.001571	.002428	.001318	.000907	.001425	.018516	.008777	.001475	.000730	.001782
36	GREAT LAKES TRANS.	.000321	.000587	.000112	.064657	.000415	.000182	.013913	.000689	.000495	.000447
37	RIVER & CANAL TRANS.	.002322	.005200	.003510	.020051	.006441	.003748	.024020	.001081	.000613	.001588
38	LOCAL WATER TRANS.	.000492	.000817	.003577	.002060	.000632	.001017	.002706	.000274	.000128	.000382
39	SERVICE TO WATER TRANS.	.000418	.000696	.000407	.002750	.000511	.004093	.003021	.000371	.000191	.000445
40	OTHER TRANS. & STORAGE	.113124	.136311	.050775	.075362	.045734	.063818	.465315	.074641	.043216	.086568
41	COMMUNICATIONS	.012547	.011485	.003789	.010838	.008039	.006439	.012979	.013611	.019130	.013147
42	UTILITIES	.023609	.027280	.008452	.076540	.063312	.021685	.059300	.023721	.023944	.027846
43	WHOLESALE & RETAIL TRAD	.109140	.086709	.037371	.040901	.039476	.024722	.056263	.123288	.055092	.091668
44	FINANCE, INSURANCE & R.	.117768	.146952	.056908	.186130	.101093	.228148	.119220	.060407	.034882	.080091
45	SERVICES	.083657	.098261	.024933	.105807	.055530	.049020	.088350	.108582	.072634	.103471
46	GOVERNMENT ENTERPRISES	.004049	.004073	.001643	.005322	.003927	.003513	.005432	.004640	.004054	.004702
47	NONCOMPETITIVE IMPORTS	.005314	.003441	.010876	.008428	.001968	.003319	.008467	.003302	.001847	.019877
48	DUMMY INDUSTRIES	.011478	.011305	.014426	.014547	.019200	.013561	.016495	.019317	.028319	.015160
	COLUMN TOTAL	2.774574	2.163977	1.621283	2.134425	2.011116	1.678449	2.398473	2.221251	1.972234	2.679782
	WATER TRANSPORTATION	.004715	.009041	.008521	.087685	.008921	.024383	.049431	.003529	.001974	.004209
	MULTIPLIER	2.719954	1.992929	1.643141	1.969641	1.991122	1.591136	1.713651	2.067550	1.976582	2.677509

TABLE 3, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1967

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.019774	.007594	.005061	.003087	.003919	.011265	.001976	.004420	.003527	.002097
2	OTHER FARM PRODUCTS	.055036	.005538	.004246	.002787	.005153	.012034	.001684	.005522	.006052	.001890
3	FOREST & FISH PRODUCTS	.010497	.076953	.006951	.001754	.002051	.002162	.000911	.001708	.002356	.001805
4	IRON ORES MINING	.000594	.003232	.001296	.001583	.004696	.001723	.001412	.001565	.000900	.000650
5	NONFERROUS ORES MINING	.000696	.001584	.001084	.000751	.007795	.001894	.001035	.001993	.000767	.001576
6	CRUDE OIL & NATURAL GAS	.009076	.011331	.015143	.007607	.069957	.015205	.521176	.017529	.006843	.011570
7	OTHER MINING	.005781	.005914	.017275	.005190	.054143	.012517	.008225	.015039	.004681	.022655
8	CONSTRUCTION	.008222	.010549	.014289	.009261	.016315	.011330	.021777	.011841	.006002	.013681
9	ORDNANCE & ACCESSORIES	.000022	.000023	.000021	.000033	.000024	.000041	.000019	.000030	.000022	.000022
10	FOOD PRODUCTS & TOBACCO	.010693	.008451	.015687	.009869	.012738	.034802	.006536	.012507	.007158	.006577
11	TEXTILES & APPAREL	1.753349	.065304	.031135	.016703	.007463	.010188	.003932	.082976	.143417	.009316
12	LUMBER & WOOD PRODUCTS	.005447	1.314959	.106619	.019758	.009750	.008508	.004194	.009799	.019849	.023404
13	PAPER & PRODUCTS	.031284	.029123	1.387797	.241794	.030876	.065099	.016389	.058714	.045516	.100839
14	PRINTING & PUBLISHING	.007771	.007864	.008453	1.143174	.009213	.023602	.008395	.009706	.007981	.007688
15	CHEMICALS & PRODUCTS	.061210	.031906	.077463	.044868	1.275870	.162576	.043238	.232110	.048828	.049388
16	OTHER CHEMICAL PRODUCTS	.004143	.014667	.005038	.003610	.006192	1.056525	.006588	.007483	.014363	.008427
17	PETROLEUM REFINING	.017232	.023053	.026896	.014687	.154344	.032118	1.292846	.035160	.012888	.017214
18	RUBBER & PLASTICS	.138393	.042383	.048970	.019920	.020076	.068371	.009500	1.190026	.114933	.040559
19	LEATHER & PRODUCTS	.003998	.000799	.000394	.000404	.000348	.000643	.000267	.001128	1.244645	.000286
20	GLASS & PRODUCTS	.003778	.006030	.001213	.000713	.001232	.016288	.000824	.003317	.001194	1.073498
21	STONE & CLAY PRODUCTS	.001998	.011269	.004845	.002051	.006631	.005189	.009707	.003705	.002054	.018515
22	PRIMARY IRON & STEEL	.007681	.055032	.019241	.008192	.026658	.022981	.022656	.017222	.013577	.008858
23	PRIM. NONFERROUS METALS	.005784	.017462	.009639	.007422	.034413	.015923	.010654	.013634	.007217	.018314
24	FTNG, PLNG & STR. MFTA	.001215	.002095	.001989	.001386	.002632	.001646	.005103	.001708	.000957	.002095
25	OTHER FABRICATED METALS	.008412	.054821	.024841	.009657	.028405	.052619	.014596	.023362	.029067	.008295
26	ENGINES & TURBINES	.000443	.000695	.000742	.000367	.001550	.000688	.002843	.000738	.000401	.000637
27	MACHINERY & EQUIPMENTS	.013023	.014360	.019027	.007864	.031156	.012064	.020125	.019790	.012483	.010520
28	OFFICE MACHINES	.000333	.000596	.000448	.000446	.000510	.000871	.000569	.000452	.000330	.000417
29	OTHER ELECTRICAL EQUIP.	.003420	.004985	.004248	.003863	.007568	.005560	.012930	.004428	.003961	.003830
30	SHIPBUILDING & REPAIR	.000074	.000241	.000140	.000058	.000536	.000134	.001720	.000163	.000093	.000141
31	OTHER TRANSPORTATION EQ	.001790	.003385	.002571	.001994	.003095	.004080	.002714	.003283	.001686	.002386
32	INSTRUMENTS	.002013	.001893	.001616	.011562	.001939	.002991	.002515	.001782	.001985	.001720
33	MISC. MANUFACTURING	.016173	.002955	.002000	.003726	.001613	.003367	.001436	.005830	.011216	.003344
34	DEEPSEA FOREIGN TRANS.	.000010	.000009	.000008	.000030	.000012	.000031	.000009	.000012	.000007	.000007
35	DEEPSEA DOMESTIC TRANS.	.000883	.002526	.001370	.000621	.006153	.001778	.031417	.002179	.001509	.001234
36	GREAT LAKES TRANS.	.000156	.000587	.000976	.000227	.001054	.000338	.000539	.000346	.000175	.001508
37	RIVER & CANAL TRANS.	.000677	.002256	.001103	.000410	.005865	.001048	.006971	.001354	.000411	.000819
38	LOCAL WATER TRANS.	.000169	.001041	.000268	.000103	.001046	.000255	.003648	.000313	.000180	.000189
39	SERVICE TO WATER TRANS.	.000216	.000631	.000358	.000157	.001528	.000425	.006970	.000520	.000343	.000336
40	OTHER TRANS. & STORAGE	.046976	.095422	.094400	.044974	.119420	.064517	.092332	.077404	.035316	.093940
41	COMMUNICATIONS	.011476	.011011	.011542	.020128	.011522	.017061	.008164	.012638	.011131	.009906
42	UTILITIES	.028612	.028132	.047026	.022748	.071637	.027356	.041691	.040716	.022081	.064408
43	WHOLESALE & RETAIL TRAD	.071775	.070805	.068140	.051331	.051101	.062625	.034533	.064482	.077038	.050239
44	FINANCE, INSURANCE & R.	.000883	.055569	.059854	.090211	.088582	.085047	.168270	.062776	.055971	.056818
45	SERVICES	.062119	.064844	.071173	.090820	.080248	.220107	.075983	.082165	.068491	.067133
46	GOVERNMENT ENTERPRISES	.005447	.003947	.004154	.017582	.004423	.006039	.004121	.004053	.006408	.003796
47	NONCOMPETITIVE IMPORTS	.005367	.003243	.002424	.002121	.005548	.006238	.005380	.013594	.004573	.002107
48	DUMMY INDUSTRIES	.016024	.015260	.014228	.024405	.016283	.027926	.012302	.021064	.016074	.015460
	COLUMN TOTAL	2.520164	2.192328	2.245504	1.971009	2.303282	2.195673	2.550845	2.182884	2.076661	1.840128
	WATER TRANSPORTATION	.001894	.006418	.003726	.001391	.014129	.003430	.042605	.004200	.002288	.003758
	MULTIPLIER	2.523274	2.138492	2.252530	1.966862	2.261785	2.245250	2.526616	2.147290	2.197439	1.802167

TABLE 3. MARAL I-O TABLE OF U. S. ECONOMY: DIRECT AND INDIRECT REQUIREMENTS, 1967

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.002367	.001435	.001861	.002339	.002012	.002195	.002112	.003475	.002553	.001923
2	OTHER FARM PRODUCTS	.002320	.001323	.001626	.001993	.001780	.001831	.001798	.002855	.002215	.001640
3	FOREST & FISH PRODUCTS	.001124	.000349	.001264	.000961	.001047	.000757	.000870	.001141	.001560	.001399
4	IRON ORES MINING	.003241	.074136	.002442	.020323	.018801	.012321	.011177	.005150	.004350	.009076
5	NONFERROUS ORES MINING	.002921	.008516	.117443	.011524	.009621	.010508	.005560	.007123	.007871	.007433
6	CRUDE OIL & NATURAL GAS	.015336	.012188	.010839	.008711	.008366	.008777	.008182	.006146	.006939	.006704
7	OTHER MINING	.105597	.041276	.007017	.013441	.013520	.010587	.008823	.005830	.006145	.007561
8	CONSTRUCTION	.015893	.019008	.011081	.011617	.010848	.010675	.009411	.008122	.008603	.009633
9	ORDNANCE & ACCESSORIES	.000025	.000018	.000020	.000031	.000029	.000030	.000029	.000049	.000035	.000025
10	FOOD PRODUCTS & TOBACCO	.007330	.004538	.005985	.007686	.006480	.007298	.006933	.011635	.008223	.006167
11	TEXTILES & APPAREL	.020267	.005357	.007285	.005709	.007474	.005021	.006354	.007610	.009418	.006494
12	LUMBER & WOOD PRODUCTS	.009988	.008312	.014543	.008524	.010989	.005568	.007634	.008784	.018444	.017568
13	PAPER & PRODUCTS	.043075	.008943	.011481	.019253	.026069	.016430	.011266	.024719	.029218	.009798
14	PRINTING & PUBLISHING	.008674	.008071	.007933	.009465	.014564	.008691	.008405	.021340	.011103	.007375
15	CHEMICALS & PRODUCTS	.038098	.031501	.034835	.018383	.025989	.013838	.013586	.017823	.027031	.010759
16	OTHER CHEMICAL PRODUCTS	.003952	.002996	.002979	.013368	.011226	.004206	.004013	.006838	.006061	.005058
17	PETROLEUM REFINING	.026325	.019232	.015696	.014902	.014016	.016502	.015445	.011150	.012409	.011777
18	RUBBER & PLASTICS	.024544	.009565	.027859	.011634	.021995	.012002	.020508	.027660	.041102	.009934
19	LEATHER & PRODUCTS	.000664	.000360	.000875	.000370	.000411	.000692	.000542	.000608	.000697	.000375
20	GLASS & PRODUCTS	.000770	.000770	.000640	.006008	.001513	.001136	.001007	.002497	.013790	.003221
21	STONE & CLAY PRODUCTS	1.138463	.008732	.006555	.006765	.007425	.018557	.012768	.011283	.010825	.011703
22	PRIMARY IRON & STEEL	.034917	1.298579	.037687	.355173	.328212	.214817	.195028	.089024	.074122	.158272
23	PRIM. NONFERROUS METALS	.013252	.055683	1.639375	.143157	.117411	.135516	.067384	.093696	.101478	.095544
24	MTNG. PLMNG & STR. META	.002352	.002623	.001757	1.031330	.001654	.004465	.007569	.004131	.001621	.064326
25	OTHER FABRICATED METALS	.022356	.034631	.023461	.065060	1.064772	.057154	.040179	.064338	.055439	.047301
26	ENGINES & TURBINES	.002618	.001765	.001936	.001229	.001386	1.106439	.017611	.001610	.001849	.061440
27	MACHINERY & EQUIPMENTS	.027500	.051233	.049355	.046029	.044324	.108106	1.160455	.045740	.031022	.121160
28	OFFICE MACHINES	.000500	.000570	.000378	.003410	.000424	.000622	.000554	1.138184	.006031	.001742
29	OTHER ELECTRICAL EQUIP.	.010023	.022182	.011120	.022602	.010419	.056893	.043480	.164342	1.228285	.027709
30	SHIPBUILDING & REPAIR	.000306	.000397	.000087	.000145	.000144	.000106	.000096	.000063	.000068	1.010729
31	OTHER TRANSPORTATION EQ	.003478	.003022	.001924	.002480	.005813	.002002	.001976	.003151	.004061	.001693
32	INSTRUMENTS	.001704	.003738	.001580	.007795	.002247	.004104	.004720	.009228	.005112	.007200
33	MISC. MANUFACTURING	.004639	.001816	.002654	.001995	.001723	.001828	.001946	.005364	.003176	.001626
34	DEEPSEA FOREIGN TRANS.	.000009	.000008	.000007	.000008	.000007	.000007	.000007	.000008	.000008	.000006
35	DEEPSEA DOMESTIC TRANS.	.002327	.002063	.000742	.001127	.001176	.000899	.000836	.000625	.000700	.000628
36	GREAT LAKES TRANS.	.002428	.005156	.000263	.001484	.001406	.000971	.000882	.000437	.000458	.000696
37	RIVER & CANAL TRANS.	.003085	.003282	.001155	.001104	.001077	.000800	.000694	.000465	.000497	.000603
38	LOCAL WATER TRANS.	.000461	.000472	.000167	.000201	.000203	.000154	.000140	.000102	.000115	.000118
39	SERVICE TO WATER TRANS.	.000606	.000698	.000203	.000321	.000328	.000247	.000228	.000162	.000180	.000175
40	OTHER TRANS. & STORAGE	.158283	.086758	.047801	.068816	.058728	.044654	.043896	.044190	.040421	.040625
41	COMMUNICATIONS	.013226	.010549	.009332	.014138	.011018	.012700	.013277	.015264	.015474	.012560
42	UTILITIES	.065743	.062288	.063540	.038015	.037987	.030124	.027696	.023048	.026889	.027702
43	WHOLESALE & RETAIL TRAD	.052930	.058090	.080669	.068693	.050123	.075314	.061869	.079895	.059855	.061356
44	FINANCE, INSURANCE & R.	.070615	.049904	.055212	.057644	.048755	.043269	.057089	.074849	.054247	.039424
45	SERVICES	.071912	.073941	.055770	.071633	.063522	.064567	.063938	.076380	.076398	.054042
46	GOVERNMENT ENTERPRISES	.004084	.003768	.003552	.003922	.003355	.003946	.003800	.004519	.004163	.003518
47	NONCOMPETITIVE IMPORTS	.002867	.002408	.007198	.002124	.001963	.003584	.002417	.002180	.004372	.001618
48	DUMMY INDUSTRIES	.016472	.011656	.014227	.021926	.017828	.020814	.020869	.030138	.023999	.018449
	COLUMN TOTAL	2.059731	2.114407	2.401412	2.224567	2.090178	2.162826	1.995059	2.168970	2.048630	2.005886
	WATER TRANSPORTATION	.008309	.010980	.002334	.003924	.003869	.002832	.002559	.001637	.001778	.002051
	MULTIPLIER	2.037486	2.170447	2.565797	2.268139	2.072935	2.170881	1.988385	2.174412	2.038864	1.936674

TABLE 3. MARAD I-O TABLE OF U. S. ECONOMY: DIRECT AND INDIRECT REQUIREMENTS, 1967

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.002404	.002965	.004076	.002445	.001807	.001312	.001730	.001349	.001393	.002517
2	OTHER FARM PRODUCTS	.002729	.003986	.005839	.002545	.001871	.001377	.001794	.001448	.001458	.001946
3	FOREST & FISH PRODUCTS	.001568	.001071	.003349	.000872	.000651	.000471	.000640	.000836	.000435	.000622
4	IRON ORES MINING	.008993	.002934	.003484	.002850	.002092	.001557	.002011	.001704	.001660	.000863
5	NONFERROUS ORES MINING	.006184	.006887	.006822	.002962	.002169	.001624	.002084	.001824	.001730	.000430
6	CRUDE OIL & NATURAL GAS	.007703	.006713	.008329	.026838	.019588	.014015	.018923	.014323	.015445	.024044
7	OTHER MINING	.007951	.005676	.006603	.004523	.003320	.002460	.003205	.003541	.002476	.002173
8	CONSTRUCTION	.009496	.008904	.008586	.022609	.018316	.011474	.019842	.066269	.003082	.004670
9	ORDNANCE & ACCESSORIES	.001336	.000038	.000031	.000033	.000025	.000018	.000024	.000018	.000019	.000030
10	FOOD PRODUCTS & TOBACCO	.006805	.008976	.011228	.007405	.005487	.003951	.005248	.003998	.004223	.008265
11	TEXTILES & APPAREL	.035984	.026323	.064205	.027309	.019780	.014060	.018893	.014750	.016133	.005864
12	LUMBER & WOOD PRODUCTS	.016986	.006811	.035947	.005139	.003905	.002724	.003938	.007121	.002155	.003084
13	PAPER & PRODUCTS	.016502	.032095	.088698	.012403	.009120	.006336	.008926	.007536	.006951	.007951
14	PRINTING & PUBLISHING	.010134	.010393	.010388	.009784	.007066	.005113	.006790	.005328	.005529	.007479
15	CHEMICALS & PRODUCTS	.019741	.048884	.037147	.010569	.007741	.005778	.007419	.006391	.005966	.007375
16	OTHER CHEMICAL PRODUCTS	.007567	.003256	.009414	.011351	.008323	.006239	.007999	.006881	.006634	.002888
17	PETROLEUM REFINING	.014223	.012518	.015964	.063293	.046218	.035159	.044593	.033644	.036501	.055633
18	RUBBER & PLASTICS	.039326	.039207	.095371	.011076	.008756	.006554	.008199	.007242	.006594	.010856
19	LEATHER & PRODUCTS	.000507	.000432	.007355	.000350	.000257	.000192	.000247	.000204	.000202	.000193
20	GLASS & PRODUCTS	.009375	.008391	.005693	.005095	.003777	.002685	.003458	.002883	.003038	.001193
21	STONE & CLAY PRODUCTS	.007281	.005045	.005867	.004840	.003637	.002647	.003771	.007292	.001952	.001621
22	PRIMARY IRON & STEEL	.156525	.049005	.059162	.049325	.036208	.026954	.034808	.029396	.028754	.014757
23	PRIM. NONFERROUS METALS	.077631	.085612	.090336	.038334	.028064	.021029	.026960	.023569	.022419	.004827
24	MTMG, PLMG & STR. META	.004211	.001877	.001503	.006881	.005205	.003684	.005217	.009043	.003091	.001287
25	OTHER FABRICATED METALS	.110492	.047995	.040112	.044873	.032748	.024181	.031527	.024922	.026602	.008408
26	ENGINES & TURBINES	.008887	.000733	.000531	.006835	.004983	.003676	.004808	.003786	.004051	.002060
27	MACHINERY & EQUIPMENTS	.070612	.026099	.011661	.028309	.020530	.015745	.019845	.015680	.016756	.006579
28	OFFICE MACHINES	.009923	.000660	.000783	.000728	.000552	.000392	.000551	.000940	.000317	.000554
29	OTHER ELECTRICAL EQUIP.	.052200	.056043	.020054	.009819	.007421	.005490	.007014	.008155	.005251	.007825
30	SHIPBUILDING & REPAIR	.000092	.000057	.000116	.063799	.046592	.034899	.044567	.033062	.038891	.000086
31	OTHER TRANSPORTATION EQ	1.360942	.004038	.002234	.012772	.009351	.006571	.008847	.006097	.007329	.016802
32	INSTRUMENTS	.012731	1.070040	.002036	.006836	.004944	.003567	.004774	.003781	.003977	.001547
33	MISC. MANUFACTURING	.003107	.003462	1.082521	.003408	.002524	.001822	.002482	.001994	.001949	.001329
34	OFFSEA FOREIGN TRANS.	.000008	.000007	.000011	1.000018	.000785	.000010	.000013	.000009	.000011	.000010
35	OFFSEA DOMESTIC TRANS.	.000860	.000585	.001424	.001704	1.023231	.000945	.001201	.000930	.000980	.001442
36	GREAT LAKES TRANS.	.000775	.000295	.000430	.000272	.000200	1.000905	.000192	.000176	.000156	.000106
37	RIVER & CANAL TRANS.	.000647	.000493	.000922	.000579	.000424	.000319	1.211876	.000350	.000330	.000401
38	LOCAL WATER TRANS.	.000142	.000100	.000221	.052376	.087470	.000120	.092221	1.000123	.000124	.000176
39	SERVICE TO WATER TRANS.	.000229	.000150	.000348	.165007	.219650	.030476	.036293	.005298	1.011758	.000326
40	OTHER TRANS. & STORAGE	.056485	.031563	.049036	.105780	.077375	.070638	.076382	.038570	.030608	1.096114
41	COMMUNICATIONS	.013087	.015142	.013210	.016922	.012436	.009489	.011867	.009192	.009738	.014305
42	UTILITIES	.027551	.022366	.025995	.019019	.014411	.011075	.014226	.011512	.011250	.016598
43	WHOLESALE & RETAIL TRAD	.060340	.054439	.072372	.023177	.017136	.013020	.016759	.017866	.011460	.044561
44	FINANCE, INSURANCE & R.	.048624	.052791	.060085	.093332	.068069	.052080	.065885	.050223	.054222	.064553
45	SERVICES	.081700	.081171	.087582	.081483	.059731	.044749	.057463	.047087	.046784	.056288
46	GOVERNMENT ENTERPRISES	.004368	.004110	.005631	.010249	.007477	.005408	.006867	.005011	.006031	.005120
47	NONCOMPETITIVE IMPORTS	.003700	.001987	.026484	.143591	.104786	.078875	.100338	.074240	.087183	.009075
48	DUMMY INDUSTRIES	.018944	.026362	.022048	.016353	.012041	.009009	.011640	.009492	.009471	.011007
	COLUMN TOTAL	2.417607	1.878687	2.111243	2.238772	2.078269	1.603277	2.064360	1.624888	1.563069	1.535837
	WATER TRANSPORTATION	.002432	.001480	.003007	1.054949	1.112110	1.002299	1.305504	1.001589	.001600	.002135
	MULTIPLIER	2.416922	1.881948	2.117685	2.054127	2.012705	1.745381	2.066353	1.556914	1.580291	1.738584

TABLE 3. MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1967

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.001341	.001179	.002124	.001509	.004817	.001361	.000000	.084980
2	OTHER FARM PRODUCTS	.001572	.001030	.001799	.001346	.005155	.001540	.000000	.062553
3	FOREST & FISH PRODUCTS	.000414	.000589	.001470	.001484	.001213	.000509	.000000	.011469
4	IRON ORES MINING	.000228	.000669	.000197	.000242	.000771	.000383	.000000	.001177
5	NONFERROUS ORES MINING	.000360	.000501	.000176	.000253	.000690	.000374	.000000	.001156
6	CRUDE OIL & NATURAL GAS	.003787	.098038	.007576	.003193	.007338	.009960	.000000	.013133
7	OTHER MINING	.001062	.041946	.001573	.001239	.002996	.003689	.000000	.006194
8	CONSTRUCTION	.004564	.008627	.005955	.011324	.012840	.017894	.000000	.009272
9	ORDNANCE & ACCESSORIES	.000026	.000016	.000028	.000020	.000056	.000018	.000000	.001298
10	FOOD PRODUCTS & TOBACCO	.006118	.003852	.006880	.004791	.013935	.004251	.000000	.298015
11	TEXTILES & APPAREL	.001927	.002885	.003255	.001384	.008639	.006292	.000000	.015865
12	LUMBER & WOOD PRODUCTS	.001608	.002074	.003341	.002843	.004574	.002949	.000000	.014196
13	PAPER & PRODUCTS	.007147	.005533	.018717	.007474	.029230	.007348	.000000	.106107
14	PRINTING & PUBLISHING	.012878	.005417	.011778	.010754	.089461	.011605	.000000	.146210
15	CHEMICALS & PRODUCTS	.003304	.008369	.004711	.004565	.014366	.018437	.000000	.031189
16	OTHER CHEMICAL PRODUCTS	.002746	.002656	.002493	.004626	.015584	.006189	.000000	.012270
17	PETROLEUM REFINING	.006836	.021378	.014543	.006076	.013217	.019427	.000000	.028052
18	RUBBER & PLASTICS	.004213	.004447	.007136	.003417	.015556	.005759	.000000	.023113
19	LEATHER & PRODUCTS	.000306	.000148	.000343	.000212	.002287	.000434	.000000	.005107
20	GLASS & PRODUCTS	.000572	.000454	.001225	.000608	.002109	.000647	.000000	.005306
21	STONE & CLAY PRODUCTS	.001428	.004784	.001404	.002324	.004147	.003088	.000000	.003699
22	PRIMARY IRON & STEEL	.003785	.011256	.005201	.003979	.012768	.005838	.000000	.017861
23	PRIM. NONFERROUS METALS	.004574	.005692	.001993	.003015	.008048	.003803	.000000	.013242
24	MTNG. PLMNG & STR. META	.002230	.003890	.000998	.004296	.001835	.003033	.000000	.001666
25	OTHER FABRICATED METALS	.003755	.007833	.004600	.003671	.021295	.005397	.000000	.022805
26	ENGINES & TURBINES	.000194	.000921	.000205	.000154	.001248	.000434	.000000	.001071
27	MACHINERY & EQUIPMENTS	.002311	.007374	.002348	.002234	.012478	.004589	.000000	.013525
28	OFFICE MACHINES	.000613	.000413	.000403	.000406	.003641	.000914	.000000	.002077
29	OTHER ELECTRICAL EQUIP.	.019404	.007837	.002851	.004372	.014049	.004758	.000000	.023287
30	SHIPBUILDING & REPAIR	.000017	.000182	.000032	.000018	.000039	.000374	.000000	.000105
31	OTHER TRANSPORTATION EQ	.001787	.001244	.001852	.001085	.014358	.003904	.000000	.009565
32	INSTRUMENTS	.001523	.000836	.001278	.001039	.009635	.001305	.000000	.022854
33	MISC. MANUFACTURING	.001830	.000969	.002251	.001697	.010384	.001454	.000000	.038113
34	DEEPSEA FOREIGN TRANS.	.000010	.000011	.000024	.000016	.000019	.001707	.000000	.000016
35	DEEPSEA DOMESTIC TRANS.	.000221	.002409	.000430	.000201	.000477	.000635	.000000	.001343
36	GREAT LAKES TRANS.	.000037	.000579	.000050	.000040	.000116	.000096	.000000	.000289
37	RIVER & CANAL TRANS.	.000092	.001366	.000154	.000098	.000246	.000294	.000000	.000787
38	LOCAL WATER TRANS.	.000031	.000328	.000061	.000033	.000071	.000175	.000000	.000230
39	SERVICE TO WATER TRANS.	.000053	.000577	.000102	.000050	.000116	.000431	.000000	.000323
40	OTHER TRANS. & STORAGE	.010472	.031072	.018566	.010510	.022616	.109419	.000000	.296218
41	COMMUNICATIONS	1.021265	.007277	.016671	.011440	.043502	.007513	.000000	.016739
42	UTILITIES	.014796	1.279628	.024713	.010619	.028549	.029658	.000000	.023779
43	WHOLESALE & RETAIL TRAD	.018952	.020868	1.031782	.017658	.048519	.019517	.000000	.108632
44	FINANCE, INSURANCE & R.	.044833	.051017	.093034	1.130006	.093077	.060213	.000000	.069866
45	SERVICES	.105983	.038469	.093636	.067592	1.115376	.065688	.000000	.200284
46	GOVERNMENT ENTERPRISES	.005830	.005357	.013966	.009421	.011167	1.002475	.000000	.008546
47	NONCOMPETITIVE IMPORTS	.006749	.001170	.001523	.001414	.002371	.041142	1.000000	.008772
48	DUMMY INDUSTRIES	.018767	.011515	.020242	.014490	.028135	.010841	.000000	1.016921
	COLUMN TOTAL	1.353054	1.714681	1.433699	1.369239	1.753116	1.507759	1.000000	2.801345
	WATER TRANSPORTATION	.000391	.004693	.000719	.000389	.000929	.002907	.000000	.002664
	MULTIPLIER	1.353976	1.712711	1.440631	1.408015	1.760205	1.568582	.000000	3.111323

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	5627.3	1420.1	197.5	.0	.0	.0	.0	.0	.0	19751.1
2	OTHER FARM PRODUCTS	6380.9	898.9	18.0	.0	.0	.0	.0	80.2	.0	8300.6
3	FOREST & FISH PRODUCTS	600.8	1332.0	83.2	.0	.0	4.2	.0	168.9	.0	422.8
4	IRON ORES MINING	.0	.0	.0	91.9	.0	.0	.0	.7	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	15.6	213.1	.0	1.6	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	375.6	1.1	.0	.0	.0
7	OTHER MINING	4.9	131.5	.0	4.0	.0	.0	525.9	862.8	2.3	52.1
8	CONSTRUCTION	300.5	368.2	1.0	30.4	15.2	47.4	48.9	71.1	25.3	260.0
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	799.7	.0
10	FOOD PRODUCTS & TOBACCO	3635.5	.0	67.8	.0	.0	.0	.0	.0	.0	17030.1
11	TEXTILES & APPAREL	9.6	80.6	109.7	2.0	.0	5.4	31.2	276.2	25.6	144.2
12	LUMBER & WOOD PRODUCTS	2.3	106.3	13.5	3.6	10.8	.0	22.9	5452.7	81.0	123.4
13	PAPER & PRODUCTS	15.9	3.0	123.0	.0	.0	.9	23.8	288.1	79.5	2679.7
14	PRINTING & PUBLISHING	5.5	9.0	.0	.0	.0	.0	.0	6.5	1.2	535.4
15	CHEMICALS & PRODUCTS	74.6	2288.0	29.1	27.7	50.1	125.2	120.2	173.2	250.4	366.4
16	OTHER CHEMICAL PRODUCTS	53.7	.0	2.5	.0	.0	10.4	.0	1237.8	.8	243.9
17	PETROLEUM REFINING	164.9	895.4	50.3	4.3	5.1	39.8	99.4	1905.0	26.6	207.4
18	RUBBER & PLASTICS	35.8	162.3	5.8	14.6	8.4	35.4	65.4	738.9	108.4	898.3
19	LEATHER & PRODUCTS	9.1	.0	.8	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	5.6	.0	.0	.0	.0	.0	.0	248.4	3.0	1000.7
21	STONE & CLAY PRODUCTS	1.9	24.0	.0	.7	2.2	103.6	14.0	6749.6	12.4	.0
22	PRIMARY IRON & STEEL	.0	.0	.0	41.9	41.1	189.3	109.9	1590.1	522.3	13.1
23	PRIM. NONFERROUS METALS	.8	.6	.0	3.8	.8	.0	15.0	2432.6	296.0	5.3
24	MTNG, PLMNG & STR. META	.0	.0	.0	.0	.0	53.2	6.2	8914.3	.0	.0
25	OTHER FABRICATED METALS	73.1	51.8	63.5	4.3	8.7	69.8	69.0	1825.8	241.9	2417.4
26	ENGINES & TURBINES	.0	.0	4.7	4.0	8.8	48.6	39.1	91.6	4.8	.0
27	MACHINERY & EQUIPMENTS	12.6	302.6	1.3	28.1	76.4	235.2	182.8	949.0	200.7	248.1
28	OFFICE MACHINES	.0	.0	.0	.0	.0	.0	.0	772.0	.0	.0
29	OTHER ELECTRICAL EQUIP.	13.1	38.7	1.9	1.9	.8	170.8	15.8	2393.3	286.2	3.7
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	6.8	13.1	16.7	5.6	2.2	.0	.0	7.9	474.5	3.7
32	INSTRUMENTS	.0	.0	.0	.0	.0	9.3	.0	297.6	53.4	11.2
33	MISC. MANUFACTURING	1.4	1.9	4.3	.0	.0	.5	.0	195.0	.5	8.9
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	.3	6.5	2.7	.0	.7	255.8	40.8	.0	.3	56.8
36	GREAT LAKES TRANS.	.0	8.1	.0	102.0	.0	.1	79.2	.0	.0	12.4
37	RIVER & CANAL TRANS.	.0	81.6	11.9	25.3	6.3	41.6	112.2	.0	.0	12.9
38	LOCAL WATER TRANS.	.0	.1	14.7	.7	.0	.6	.6	.0	.0	1.1
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	970.1	2422.7	132.4	68.5	25.7	665.6	2366.6	2513.2	122.8	2104.4
41	COMMUNICATIONS	75.1	68.3	1.1	2.1	2.3	12.7	9.8	332.9	113.6	286.1
42	UTILITIES	96.1	202.5	2.9	49.0	39.8	143.0	187.8	84.8	55.8	638.3
43	WHOLESALE & RETAIL TRAD	1301.1	1465.7	82.8	17.5	19.2	150.0	129.2	8201.6	278.8	3208.4
44	FINANCE, INSURANCE & R.	811.9	2297.1	134.1	139.2	69.4	2514.4	354.0	1336.5	66.5	1059.6
45	SERVICES	383.9	1361.5	12.5	64.1	24.1	271.8	216.0	5318.3	334.1	3775.1
46	GOVERNMENT ENTERPRISES	3.2	3.5	.0	1.3	1.4	6.3	4.9	64.4	14.6	89.4
47	NONCOMPETITIVE IMPORTS	.0	.0	36.6	.0	.0	.0	.0	99.0	.0	1318.3
48	DUMMY INDUSTRIES	34.8	44.4	43.0	5.3	12.3	97.9	33.4	685.4	187.1	459.1
49	HOUSEHOLD SECTOR	4469.2	8042.4	2161.9	383.6	496.8	5463.7	3065.0	33006.8	4847.1	17943.8
50	VALUE ADDED	2562.2	4343.0	746.2	123.7	101.4	3320.9	674.9	9091.2	338.4	9127.1
51	COLMN TOTAL	29704.6	28475.1	4177.5	1266.7	1243.0	14468.9	8666.6	98463.4	9855.5	94820.3
	WATER TRANSPORTATION	.3	96.3	29.3	128.0	7.0	298.1	232.8	.0	.3	83.2

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	260.2	.0	.0	.0	.0	11.9	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	1177.6	.0	.0	.0	35.8	58.1	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	165.4	1124.8	.0	.0	12.4	2.7	.0	.0	.0	.0
4	IRON ORES MINING	.0	.0	.0	.0	47.3	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	69.6	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	48.0	.0	11558.5	.0	.0	.0
7	OTHER MINING	19.7	5.2	151.8	.0	737.3	36.1	66.4	55.4	1.7	48.2
8	CONSTRUCTION	88.7	93.0	143.8	76.6	159.8	57.4	352.0	103.1	7.5	31.8
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	31.9	.0	114.7	.0	82.3	260.0	29.9	48.4	1.1	.0
11	TEXTILES & APPAREL	19061.0	491.1	179.6	99.2	25.0	10.1	2.6	768.2	312.8	4.0
12	LUMBER & WOOD PRODUCTS	11.8	4700.3	1175.7	.0	56.9	6.1	1.5	32.7	45.6	35.3
13	PAPER & PRODUCTS	328.9	172.3	5612.2	3226.3	260.3	471.4	156.9	569.3	94.9	227.2
14	PRINTING & PUBLISHING	9.2	.5	5.8	2520.6	1.6	26.5	1.9	.0	.0	.0
15	CHEMICALS & PRODUCTS	504.4	174.0	730.3	399.9	4297.3	1558.0	566.2	2989.6	59.6	87.5
16	OTHER CHEMICAL PRODUCTS	40.0	173.6	22.3	14.6	48.6	721.4	74.2	71.4	45.5	19.4
17	PETROLEUM REFINING	47.9	115.8	129.0	37.8	1822.4	58.0	6426.9	15.3	6.3	6.7
18	RUBBER & PLASTICS	2875.6	400.6	495.9	123.5	174.2	690.5	51.8	2995.8	341.9	92.5
19	LEATHER & PRODUCTS	74.2	4.7	.5	.5	.7	.0	.5	8.7	1003.7	.0
20	GLASS & PRODUCTS	69.7	72.0	.0	.0	6.7	196.9	.0	38.2	.0	247.1
21	STONE & CLAY PRODUCTS	4.0	119.7	21.8	.0	42.7	25.5	45.1	13.5	1.3	48.1
22	PRIMARY IRON & STEEL	.0	391.4	29.4	10.1	82.6	11.8	7.3	32.6	.0	.0
23	PRIM. NONFERROUS METALS	.0	62.9	13.5	26.1	261.4	30.7	34.5	29.2	.0	27.6
24	HTNG, PLMNG & STR. META	.0	9.1	.0	.0	.0	.0	.0	.0	.0	.8
25	OTHER FABRICATED METALS	33.0	672.6	203.3	28.6	311.6	548.4	99.8	220.6	85.3	2.5
26	ENGINES & TURBINES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	MACHINERY & EQUIPMENTS	165.0	90.4	159.3	30.5	308.0	18.9	87.0	155.5	23.4	12.9
28	OFFICE MACHINES	.0	2.8	.0	.0	.0	.0	.0	.0	.0	.0
29	OTHER ELECTRICAL EQUIP.	6.0	11.1	3.1	1.5	21.3	1.0	11.4	1.6	3.5	.9
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	.0	4.4	.0	.0	.0	.0	.0	11.2	.0	.0
32	INSTRUMENTS	22.7	9.0	5.0	179.7	6.3	3.8	16.8	4.3	3.1	1.8
33	MISC. MANUFACTURING	343.1	12.7	3.4	30.2	.0	.8	.0	55.2	32.0	5.7
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	3.7	25.9	2.5	.7	30.4	6.9	514.5	12.7	3.7	1.4
36	GREAT LAKES TRANS.	.0	4.3	10.1	.0	.5	.0	7.7	.0	.1	3.9
37	RIVER & CANAL TRANS.	.0	20.2	1.8	.0	51.7	.0	95.1	.8	.0	.0
38	LOCAL WATER TRANS.	.0	6.4	.0	.0	.1	.0	9.7	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	465.2	1039.2	932.8	263.8	1149.7	334.6	1072.6	638.2	45.5	207.5
41	COMMUNICATIONS	142.9	70.4	72.1	248.6	71.9	65.7	21.5	90.9	19.8	13.0
42	UTILITIES	329.9	177.5	388.7	119.8	716.3	56.0	449.7	267.0	29.8	137.1
43	WHOLESALE & RETAIL TRAD	1265.8	727.9	668.7	545.5	459.8	455.5	270.6	672.2	224.1	101.3
44	FINANCE, INSURANCE & R.	696.1	336.9	385.5	1084.2	615.0	517.8	817.1	411.5	106.2	91.1
45	SERVICES	720.7	467.4	544.7	1039.7	672.9	2351.1	763.6	723.7	139.7	121.2
46	GOVERNMENT ENTERPRISES	74.6	18.5	19.7	280.3	21.9	25.7	15.4	17.2	14.9	4.3
47	NONCOMPETITIVE IMPORTS	61.5	2.1	.0	2.6	40.4	46.0	2.0	191.3	7.6	.0
48	DUMMY INDUSTRIES	228.9	111.9	99.6	325.1	136.1	231.1	36.6	218.7	34.4	30.1
49	HOUSEHOLD SECTOR	13925.6	7368.4	7001.0	9824.9	6700.7	4586.3	2909.2	7484.6	1965.7	1840.3
50	VALUE ADDED	1508.8	1098.6	1192.4	1065.2	1652.2	983.7	3429.7	1497.0	176.2	275.2
51	COLMN TOTAL	44763.9	20409.5	20520.1	21606.0	21239.5	14466.1	30006.1	20445.7	4837.0	3726.5
	WATER TRANSPORTATION	3.7	56.8	14.4	.7	82.7	6.9	627.0	13.5	3.8	5.3

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	IRON ORES MINING	9.7	1498.3	2.0	.0	.0	.0	.0	.0	1.0	.0
5	NONFERROUS ORES MINING	12.4	56.7	1052.5	.0	.0	.0	.0	.0	6.8	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	837.6	736.1	15.4	1.1	13.2	2.1	7.2	1.2	8.1	.4
8	CONSTRUCTION	98.6	290.1	66.5	40.6	76.6	12.9	119.2	25.6	135.4	9.6
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	5.6	.7	7.8	.0	.0	.0	.0	.0	.0	.0
11	TEXTILES & APPAREL	76.3	21.2	18.8	10.3	34.7	2.0	42.3	11.5	65.8	3.5
12	LUMBER & WOOD PRODUCTS	25.6	68.4	85.6	22.6	87.8	.0	84.6	16.6	352.5	23.9
13	PAPER & PRODUCTS	228.6	26.6	29.6	77.5	263.3	15.3	57.7	62.9	448.7	1.4
14	PRINTING & PUBLISHING	2.3	3.9	11.9	.8	130.5	.0	1.6	80.7	39.5	.2
15	CHEMICALS & PRODUCTS	177.9	381.5	167.9	11.4	147.9	1.5	23.1	19.5	298.3	.4
16	OTHER CHEMICAL PRODUCTS	11.8	10.4	9.1	116.2	186.6	4.4	46.8	31.8	106.7	4.5
17	PETROLEUM REFINING	58.3	107.7	42.4	31.2	48.5	17.2	177.3	16.2	90.9	6.1
18	RUBBER & PLASTICS	119.7	30.5	201.4	19.7	258.2	6.1	354.8	123.1	968.7	3.0
19	LEATHER & PRODUCTS	2.5	1.7	5.5	.0	1.5	.8	5.5	1.0	8.8	.1
20	GLASS & PRODUCTS	.0	.0	.0	54.5	15.8	.0	.0	.0	421.3	4.6
21	STONE & CLAY PRODUCTS	1241.1	105.0	37.4	24.3	69.8	38.2	258.2	63.0	246.1	14.7
22	PRIMARY IRON & STEEL	120.3	6109.0	126.7	2939.5	5332.0	413.5	4094.8	382.5	1308.8	170.0
23	PRIM. NONFERROUS METALS	24.2	609.2	6895.4	840.8	1328.6	206.9	908.6	390.4	1867.8	91.0
24	MTNG. PLMNG & STR. META	.0	.0	.0	342.6	.0	7.4	163.1	24.5	9.0	142.6
25	OTHER FABRICATED METALS	120.0	560.8	165.4	546.2	1099.8	122.6	836.3	442.0	1535.1	67.0
26	ENGINES & TURBINES	8.2	.0	.0	.0	4.6	315.9	469.0	3.9	32.9	126.5
27	MACHINERY & EQUIPMENTS	141.2	801.7	341.4	252.8	497.9	242.7	4451.5	268.9	627.6	211.2
28	OFFICE MACHINES	.0	.0	.0	29.7	.0	.0	.0	1291.3	171.3	2.3
29	OTHER ELECTRICAL EQUIP.	35.5	304.2	57.8	117.2	28.6	117.1	916.9	1217.5	7704.0	29.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.1
31	OTHER TRANSPORTATION EQ	.0	.0	.0	.0	61.2	.0	2.4	5.6	53.7	.0
32	INSTRUMENTS	2.8	50.7	4.5	61.6	6.6	5.9	86.2	60.2	114.1	11.2
33	MISC. MANUFACTURING	25.4	9.5	13.6	1.0	1.1	.0	6.8	24.8	37.9	.2
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	7.0	26.2	.4	2.4	6.6	.3	3.3	.7	3.9	.0
36	GREAT LAKES TRANS.	8.2	5.9	.0	.2	.8	.1	1.5	.0	2.2	.0
37	RIVER & CANAL TRANS.	3.4	15.7	1.5	.0	.1	.0	.0	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	843.4	1139.6	313.2	320.1	469.6	34.2	478.7	127.9	475.7	26.4
41	COMMUNICATIONS	56.0	90.7	40.7	74.9	96.3	16.8	215.8	67.4	314.0	13.7
42	UTILITIES	359.2	804.4	418.7	95.9	229.0	19.3	244.9	43.9	300.7	17.8
43	WHOLESALE & RETAIL TRAD	269.7	829.9	663.7	408.9	452.6	136.8	1174.8	480.2	1275.4	75.0
44	FINANCE, INSURANCE & R.	265.2	225.6	237.7	252.1	384.4	32.6	871.4	368.8	863.1	23.9
45	SERVICES	320.0	882.0	281.8	300.6	521.9	75.3	901.5	309.6	1477.3	42.4
46	GOVERNMENT ENTERPRISES	10.0	24.4	9.4	10.4	16.2	3.6	39.1	11.6	55.8	2.5
47	NONCOMPETITIVE IMPORTS	.0	.0	63.0	.0	.0	5.2	24.2	.0	66.3	.0
48	DUMMY INDUSTRIES	80.4	95.9	74.4	150.5	225.8	39.6	418.9	244.9	575.6	22.2
49	HOUSEHOLD SECTOR	4262.0	10628.4	4528.5	4097.2	9611.3	1283.8	15847.4	4062.2	18656.2	1212.7
50	VALUE ADDED	649.2	1438.2	714.9	455.5	1352.0	151.9	1680.1	408.8	1800.0	81.9
51	COLMN TOTAL	10539.2	27990.6	16726.4	11710.3	23061.5	3331.7	35035.6	10690.7	42586.8	2467.5
	WATER TRANSPORTATION	18.6	47.8	1.9	2.6	7.5	.4	4.8	.7	6.1	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
2	OTHER FARM PRODUCTS	.0	8.5	10.1	.0	.0	.0	.0	.0	.0	2.2
3	FOREST & FISH PRODUCTS	.0	.0	2.4	.0	.0	.0	.0	.0	.0	2.4
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.5
7	OTHER MINING	18.3	2.7	4.4	1.2	.4	.1	.2	.1	.8	17.5
8	CONSTRUCTION	173.8	36.5	23.0	26.9	9.4	2.3	5.1	16.4	.5	83.2
9	ORDNANCE & ACCESSORIES	59.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	15.5	1.6	.6	.1	.3	.1	1.1	162.6
11	TEXTILES & APPAREL	845.0	98.8	229.3	22.4	7.7	1.9	4.1	1.8	14.1	97.7
12	LUMBER & WOOD PRODUCTS	445.6	7.4	153.7	.0	.0	.0	.0	.0	.0	50.7
13	PAPER & PRODUCTS	143.5	124.1	415.9	4.5	1.6	.3	.9	.4	2.7	88.0
14	PRINTING & PUBLISHING	5.5	.0	.0	.8	.2	.0	.1	.0	.4	53.6
15	CHEMICALS & PRODUCTS	63.8	220.2	42.3	.0	.0	.0	.0	.0	.0	48.1
16	OTHER CHEMICAL PRODUCTS	169.9	3.3	43.9	12.9	4.5	1.1	2.4	1.0	8.2	55.9
17	PETROLEUM REFINING	164.8	10.9	26.7	68.5	23.8	5.8	12.8	5.5	43.6	1891.0
18	RUBBER & PLASTICS	1135.2	205.1	524.3	4.9	1.7	.4	.8	.4	2.9	298.4
19	LEATHER & PRODUCTS	2.6	.0	41.9	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	368.5	55.0	31.7	6.2	2.2	.5	1.1	.5	4.0	28.5
21	STONE & CLAY PRODUCTS	142.9	16.7	21.4	1.0	.3	.1	.2	.1	.6	12.8
22	PRIMARY IRON & STEEL	4058.8	160.8	240.9	23.6	8.3	2.0	4.4	1.9	15.0	284.8
23	PRIM. NONFERROUS METALS	1526.4	360.0	374.2	22.2	7.7	1.9	4.1	1.8	14.1	21.4
24	HTNG, PLMNG & STR. META	121.5	4.4	1.8	.0	.0	.0	.0	.0	.0	18.0
25	OTHER FABRICATED METALS	4501.3	301.8	214.7	54.2	18.8	4.5	10.1	4.3	34.4	168.1
26	ENGINES & TURBINES	332.1	.0	.0	3.2	1.1	.3	.6	.3	2.0	70.1
27	MACHINERY & EQUIPMENTS	2368.1	117.8	7.2	19.4	6.6	1.7	3.6	1.5	12.3	116.1
28	OFFICE MACHINES	404.3	.0	1.9	.0	.0	.0	.0	.0	.0	6.8
29	OTHER ELECTRICAL EQUIP.	1725.0	346.3	98.5	3.4	1.3	.4	.6	.5	2.1	183.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	103.7	36.1	8.8	19.3	8.4	66.0	.0
31	OTHER TRANSPORTATION EQ	17749.0	12.8	.0	12.0	4.2	.9	2.2	.9	7.7	540.0
32	INSTRUMENTS	497.7	561.6	3.0	7.6	2.6	.6	1.4	.6	4.7	23.8
33	MISC. MANUFACTURING	44.3	9.5	610.6	2.5	.9	.2	.5	.2	1.5	11.8
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	6.7	.1	5.5	.0	22.8	.0	.0	.0	.0	.0
36	GREAT LAKES TRANS.	3.7	.0	.5	.0	.0	.2	.0	.0	.0	.0
37	RIVER & CANAL TRANS.	.1	.0	2.4	.0	.0	.0	102.9	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	79.5	90.5	.0	44.8	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	249.0	224.3	7.9	17.1	1.3	19.8	.0
40	OTHER TRANS. & STORAGE	1233.6	48.1	135.6	112.3	52.9	14.2	26.1	5.6	29.4	3908.7
41	COMMUNICATIONS	200.4	70.6	43.3	16.2	5.7	1.4	3.0	1.3	10.3	477.0
42	UTILITIES	316.7	47.6	46.3	9.3	3.1	.8	1.8	.8	5.7	371.3
43	WHOLESALE & RETAIL TRAD	1528.0	261.6	334.3	.0	.0	.0	.0	.0	.0	1623.3
44	FINANCE, INSURANCE & R.	762.2	200.6	195.9	94.3	32.7	8.1	17.7	7.6	59.9	1905.6
45	SERVICES	2041.8	391.2	362.8	76.3	26.6	6.4	14.2	6.2	48.6	1658.9
46	GOVERNMENT ENTERPRISES	76.3	13.2	20.0	12.6	4.4	1.0	2.2	.9	8.0	151.8
47	NONCOMPETITIVE IMPORTS	80.0	.9	181.4	232.6	80.9	19.8	43.3	18.8	148.0	375.0
48	DUMMY INDUSTRIES	459.9	155.0	101.7	14.2	5.0	1.2	2.7	1.2	9.1	314.8
49	HOUSEHOLD SECTOR	19979.8	4231.9	3290.4	517.8	322.1	104.2	213.9	161.3	827.0	25012.1
50	VALUE ADDED	3410.0	679.9	383.4	132.6	82.5	43.7	24.4	18.4	315.1	4307.0
51	COLMN TOTAL	67326.6	8767.7	8242.7	1949.5	1094.3	242.8	588.9	270.1	1719.8	44471.7
	WATER TRANSPORTATION	10.5	.1	8.4	79.5	114.1	.2	147.7	.0	.0	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	IRON ORES MINING	9.7	1498.3	2.0	.0	.0	.0	.0	.0	1.0	.0
5	NONFERROUS ORES MINING	12.4	56.7	1052.5	.0	.0	.0	.0	.0	6.8	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	837.6	736.1	15.4	1.1	13.2	2.1	7.2	1.2	8.1	.4
8	CONSTRUCTION	98.6	290.1	66.5	40.6	76.6	12.9	119.2	25.6	135.4	9.6
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	5.6	.7	7.8	.0	.0	.0	.0	.0	.0	.0
11	TEXTILES & APPAREL	76.3	21.2	18.8	10.3	34.7	2.0	42.3	11.5	65.8	3.5
12	LUMBER & WOOD PRODUCTS	25.6	68.4	85.6	22.6	87.8	.0	84.6	16.6	352.5	23.9
13	PAPER & PRODUCTS	228.6	26.6	29.6	77.5	263.3	15.3	57.7	62.9	448.7	1.4
14	PRINTING & PUBLISHING	2.3	3.9	11.9	.8	130.5	.0	1.6	80.7	39.5	.2
15	CHEMICALS & PRODUCTS	177.9	381.5	167.9	11.4	147.9	1.5	23.1	19.5	298.3	.4
16	OTHER CHEMICAL PRODUCTS	11.8	10.4	9.1	116.2	186.6	4.4	46.8	31.8	106.7	4.5
17	PETROLEUM REFINING	58.3	107.7	42.4	31.2	48.5	17.2	177.3	16.2	90.9	6.1
18	RUBBER & PLASTICS	119.7	30.5	201.4	19.7	258.2	6.1	354.8	123.1	968.7	3.0
19	LEATHER & PRODUCTS	2.5	1.7	5.5	.0	1.5	.8	5.5	1.0	8.8	.1
20	GLASS & PRODUCTS	.0	.0	.0	54.5	15.8	.0	.0	.0	421.3	4.6
21	STONE & CLAY PRODUCTS	1241.1	105.0	37.4	24.3	69.8	38.2	258.2	63.0	246.1	14.7
22	PRIMARY IRON & STEEL	120.3	6109.0	126.7	2939.5	5332.0	413.5	4094.8	382.5	1308.8	170.0
23	PRIM. NONFERROUS METALS	24.2	609.2	6895.4	840.8	1328.6	206.9	908.6	390.4	1867.8	91.0
24	MTNG, PLMNG & STR. META	.0	.0	.0	342.6	.0	7.4	163.1	24.5	9.0	142.6
25	OTHER FABRICATED METALS	120.0	560.8	165.4	546.2	1099.8	122.6	836.3	442.0	1535.1	57.0
26	ENGINES & TURBINES	8.2	.0	.0	.0	4.6	315.9	469.0	3.9	32.9	126.5
27	MACHINERY & EQUIPMENTS	141.2	801.7	341.4	252.8	497.9	242.7	4451.5	268.9	627.6	211.2
28	OFFICE MACHINES	.0	.0	.0	29.7	.0	.0	.0	1291.3	171.3	2.3
29	OTHER ELECTRICAL EQUIP.	35.5	304.2	57.8	117.2	28.6	117.1	916.9	1217.5	7704.0	29.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.1
31	OTHER TRANSPORTATION EQ	.0	.0	.0	.0	61.2	.0	2.4	5.6	53.7	.0
32	INSTRUMENTS	2.8	50.7	4.5	61.6	6.6	5.9	86.2	60.2	114.1	11.2
33	MISC. MANUFACTURING	25.4	9.5	13.6	1.0	1.1	.0	6.8	24.8	37.9	.2
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	7.0	26.2	.4	2.4	6.6	.3	3.3	.7	3.9	.0
36	GREAT LAKES TRANS.	8.2	5.9	.0	.2	.8	.1	1.5	.0	2.2	.0
37	RIVER & CANAL TRANS.	3.4	15.7	1.5	.0	.1	.0	.0	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	843.4	1139.6	313.2	320.1	469.6	34.2	478.7	127.9	475.7	26.4
41	COMMUNICATIONS	56.0	90.7	40.7	74.9	96.3	16.8	215.8	67.4	314.0	13.7
42	UTILITIES	359.2	804.4	418.7	95.9	229.0	19.3	244.9	43.9	300.7	17.8
43	WHOLESALE & RETAIL TRAD	269.7	829.9	663.7	408.9	452.6	136.8	1174.8	480.2	1275.4	75.0
44	FINANCE, INSURANCE & R.	285.2	225.6	237.7	252.1	384.4	32.6	871.4	368.8	863.1	23.9
45	SERVICES	320.0	882.0	281.8	300.6	521.9	75.3	901.5	309.6	1477.3	42.4
46	GOVERNMENT ENTERPRISES	10.0	24.4	9.4	10.4	16.2	3.6	39.1	11.6	55.8	2.5
47	NONCOMPETITIVE IMPORTS	.0	.0	63.0	.0	.0	5.2	24.2	.0	86.3	.0
48	DUMMY INDUSTRIES	80.4	95.9	74.4	150.5	225.8	39.6	418.9	244.9	575.6	22.2
49	HOUSEHOLD SECTOR	4262.0	10628.4	4528.5	4097.2	9611.3	1283.8	15847.4	4062.2	18656.2	1212.7
50	VALUE ADDED	649.2	1438.2	714.9	455.5	1352.0	151.9	1680.1	408.8	1800.0	81.9
51	COLMN TOTAL	10539.2	27990.6	16726.4	11710.3	23061.5	3331.7	35035.6	10690.7	42586.8	2467.5
	WATER TRANSPORTATION	18.6	47.8	1.9	2.6	7.5	.4	4.8	.7	6.1	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	3.8
2	OTHER FARM PRODUCTS	.0	8.5	10.1	.0	.0	.0	.0	.0	.0	2.2
3	FOREST & FISH PRODUCTS	.0	.0	2.4	.0	.0	.0	.0	.0	.0	2.4
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	2.6	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	25.5
7	OTHER MINING	18.3	2.7	4.4	1.2	.4	.1	.2	.1	.8	17.5
8	CONSTRUCTION	173.8	36.5	23.0	26.9	9.4	2.3	5.1	16.4	.5	83.2
9	ORDNANCE & ACCESSORIES	59.6	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	15.5	1.6	.6	.1	.3	.1	1.1	162.6
11	TEXTILES & APPAREL	845.0	98.8	229.3	22.4	7.7	1.9	4.1	1.8	14.1	97.7
12	LUMBER & WOOD PRODUCTS	445.6	7.4	153.7	.0	.0	.0	.0	.0	.0	50.7
13	PAPER & PRODUCTS	143.5	124.1	415.9	4.5	1.6	.3	.9	.4	2.7	88.0
14	PRINTING & PUBLISHING	5.5	.0	.0	.8	.2	.0	.1	.0	.4	53.6
15	CHEMICALS & PRODUCTS	63.8	220.2	42.3	.0	.0	.0	.0	.0	.0	48.1
16	OTHER CHEMICAL PRODUCTS	169.9	3.3	43.9	12.9	4.5	1.1	2.4	1.0	8.2	55.9
17	PETROLEUM REFINING	164.8	10.9	26.7	68.5	23.8	5.8	12.8	5.5	43.6	1891.0
18	RUBBER & PLASTICS	1135.2	205.1	524.3	4.9	1.7	.4	.8	.4	2.9	298.4
19	LEATHER & PRODUCTS	2.6	.0	41.9	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	368.5	55.0	31.7	6.2	2.2	.5	1.1	.5	4.0	28.5
21	STONE & CLAY PRODUCTS	142.9	16.7	21.4	1.0	.3	.1	.2	.1	.6	12.8
22	PRIMARY IRON & STEEL	4058.8	160.8	240.9	23.6	8.3	2.0	4.4	1.9	15.0	284.8
23	PRIM. NONFERROUS METALS	1526.4	360.0	374.2	22.2	7.7	1.9	4.1	1.8	14.1	21.4
24	HTNG, PLMNG & STR. META	121.5	4.4	1.8	.0	.0	.0	.0	.0	.0	18.0
25	OTHER FABRICATED METALS	4561.3	301.8	214.7	54.2	18.8	4.5	10.1	4.3	34.4	168.1
26	ENGINES & TURBINES	332.1	.0	.0	3.2	1.1	.3	.6	.3	2.0	70.1
27	MACHINERY & EQUIPMENTS	2368.1	117.8	7.2	19.4	6.6	1.7	3.6	1.5	12.3	116.1
28	OFFICE MACHINES	404.3	.0	1.9	.0	.0	.0	.0	.0	.0	6.8
29	OTHER ELECTRICAL EQUIP.	1725.0	346.3	98.5	3.4	1.3	.4	.6	.5	2.1	183.6
30	SHIPBUILDING & REPAIR	.0	.0	.0	103.7	36.1	8.8	19.3	8.4	66.0	.0
31	OTHER TRANSPORTATION EQ	17749.0	12.8	.0	12.0	4.2	.9	2.2	.9	7.7	540.0
32	INSTRUMENTS	497.7	561.6	3.0	7.6	2.6	.6	1.4	.6	4.7	23.8
33	MISC. MANUFACTURING	44.3	9.5	610.6	2.5	.9	.2	.5	.2	1.5	11.8
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.8	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	6.7	.1	5.5	.0	22.8	.0	.0	.0	.0	.0
36	GREAT LAKES TRANS.	3.7	.0	.5	.0	.0	.2	.0	.0	.0	.0
37	RIVER & CANAL TRANS.	.1	.0	2.4	.0	.0	.0	102.9	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	79.5	90.5	.0	44.8	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	249.0	224.3	7.9	17.1	1.3	19.8	.0
40	OTHER TRANS. & STORAGE	1233.6	48.1	135.6	112.3	52.9	14.2	26.1	5.6	29.4	3908.7
41	COMMUNICATIONS	200.4	70.6	43.3	16.2	5.7	1.4	3.0	1.3	10.3	477.0
42	UTILITIES	316.7	47.6	46.3	9.3	3.1	.8	1.8	.8	5.7	371.3
43	WHOLESALE & RETAIL TRAD	1528.0	261.6	334.3	.0	.0	.0	.0	.0	.0	1623.3
44	FINANCE, INSURANCE & R.	762.2	200.6	195.9	94.3	32.7	8.1	17.7	7.6	59.9	1905.6
45	SERVICES	2041.8	391.2	362.8	76.3	26.6	6.4	14.2	6.2	48.6	1658.9
46	GOVERNMENT ENTERPRISES	76.3	13.2	20.0	12.6	4.4	1.0	2.2	.9	8.0	151.8
47	NONCOMPETITIVE IMPORTS	80.0	.9	181.4	232.6	80.9	19.8	43.3	18.8	148.0	375.0
48	DUMMY INDUSTRIES	459.9	155.0	101.7	14.2	5.0	1.2	2.7	1.2	9.1	314.8
49	HOUSEHOLD SECTOR	19979.8	4231.9	3290.4	517.8	322.1	104.2	213.9	161.3	827.0	25012.1
50	VALUE ADDED	3410.0	679.9	383.4	132.6	82.5	43.7	24.4	18.4	315.1	4307.0
51	COLMN TOTAL	67326.6	8767.7	8242.7	1949.5	1094.3	242.8	588.9	270.1	1719.8	44471.7
	WATER TRANSPORTATION	10.5	.1	8.4	79.5	114.1	.2	147.7	.0	.0	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	69.4	.0	.0	31.2	1811.2	.0
2	OTHER FARM PRODUCTS	.8	1.0	10.1	17.9	235.4	2.3	.0	121.1	3756.2	.0
3	FOREST & FISH PRODUCTS	.0	5.4	137.5	149.3	26.0	.0	.0	52.6	584.3	.0
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.9	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	2518.4	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	.0	1074.9	.0	15.6	16.0	9.2	.0	17.5	127.6	.0
8	CONSTRUCTION	54.5	176.9	507.4	1405.0	1297.2	133.2	.0	2.3	.0	54337.9
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.8	.0	.0	16.1	322.1	25.1
10	FOOD PRODUCTS & TOBACCO	.0	.0	28.7	.0	504.4	.0	.0	3148.6	66244.0	.0
11	TEXTILES & APPAREL	5.2	19.2	112.6	1.0	320.6	21.1	.0	29.1	20227.0	88.9
12	LUMBER & WOOD PRODUCTS	2.9	6.3	125.2	116.5	10.5	2.5	.0	19.7	4293.3	1803.3
13	PAPER & PRODUCTS	21.4	31.1	1491.8	274.9	375.1	9.9	.0	551.0	1574.7	.0
14	PRINTING & PUBLISHING	41.0	16.8	217.9	446.6	10067.0	36.1	.0	1540.1	4119.3	.0
15	CHEMICALS & PRODUCTS	.5	68.3	12.7	171.4	308.1	95.6	.0	36.9	504.2	.0
16	OTHER CHEMICAL PRODUCTS	16.6	37.1	66.4	431.9	1789.9	35.6	.0	86.8	7345.2	.0
17	PETROLEUM REFINING	71.2	368.1	1359.3	381.4	765.0	65.9	.0	3.4	10194.3	.0
18	RUBBER & PLASTICS	25.0	32.3	560.5	143.6	992.1	14.0	.0	29.2	2287.0	30.0
19	LEATHER & PRODUCTS	.0	.0	6.3	.0	220.6	1.6	.0	48.0	3659.1	.0
20	GLASS & PRODUCTS	.6	2.5	124.7	31.7	145.3	1.0	.0	5.4	317.3	.0
21	STONE & CLAY PRODUCTS	8.5	67.0	38.4	121.9	248.7	6.9	.0	11.5	244.4	.0
22	PRIMARY IRON & STEEL	1.0	57.2	.0	18.1	10.7	.0	.0	6.5	3.5	.0
23	PRIM. NONFERROUS METALS	20.5	34.9	.0	51.6	5.7	1.1	.0	7.0	14.6	34.3
24	MTNG, PLMNG & STR. META	33.5	66.4	.0	421.7	.0	7.2	.0	2.2	65.7	932.7
25	OTHER FABRICATED METALS	2.1	108.8	209.8	122.0	1944.3	10.6	.0	25.6	1148.2	347.4
26	ENGINES & TURBINES	.0	.0	.0	.0	103.1	.0	.0	.5	144.4	735.3
27	MACHINERY & EQUIPMENTS	1.1	46.6	25.6	60.0	966.2	12.1	.0	42.1	152.2	15037.2
28	OFFICE MACHINES	2.3	3.5	.0	4.0	388.5	3.5	.0	13.8	515.9	5081.1
29	OTHER ELECTRICAL EQUIP.	311.5	102.3	45.4	284.2	1047.1	12.2	.0	175.7	8565.9	6245.0
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	1.9	.0	.0	.0	456.9
31	OTHER TRANSPORTATION EQ	3.3	4.0	35.4	.0	1357.6	8.8	.0	22.8	17339.0	14395.0
32	INSTRUMENTS	3.1	.8	.0	7.3	993.8	2.1	.0	249.8	1240.6	2051.1
33	MISC. MANUFACTURING	3.8	2.6	91.5	70.4	1107.2	2.5	.0	450.4	4417.1	532.6
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	14.7	.0	.0	57.0	.0
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.0	.4	.0	3.1	4.0	.0
36	GREAT LAKES TRANS.	.0	.0	.0	.0	.0	.1	.0	.1	3.6	.0
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	.0	.2	.0	.2	1.4	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	3.7	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	41.0	.0
40	OTHER TRANS. & STORAGE	26.5	34.7	993.1	263.0	371.3	788.5	.0	3332.1	10642.6	806.1
41	COMMUNICATIONS	358.1	122.4	1840.3	1140.9	5247.6	22.9	.0	.4	7836.8	1095.7
42	UTILITIES	178.7	7933.0	2441.0	788.7	2224.5	160.8	.0	13.8	13934.9	.0
43	WHOLESALE & RETAIL TRAD	224.7	329.4	3541.3	1483.8	4380.4	60.9	.0	749.3	109366.9	6543.7
44	FINANCE, INSURANCE & R.	624.1	486.3	11246.4	17026.2	8733.9	328.1	.0	1.9	96099.0	2100.0
45	SERVICES	1922.4	598.2	11435.0	7577.9	11255.0	381.9	.0	1688.0	74813.6	.0
46	GOVERNMENT ENTERPRISES	90.9	116.9	1908.8	1180.7	1083.1	4.8	.0	21.1	2147.9	.0
47	NONCOMPETITIVE IMPORTS	133.2	.6	46.4	85.7	76.4	341.1	.0	2.0	9869.6	657.9
48	DUMMY INDUSTRIES	324.3	223.7	2515.1	1653.0	2924.4	55.4	.0	10.4	.0	.0
49	HOUSEHOLD SECTOR	12554.9	13836.6	87880.0	71704.1	73453.7	8106.9	.0	.0	4701.0	.0
50	VALUE ADDED	5343.5	8564.6	32804.6	47429.0	13855.8	-2463.4	.0	.0	143259.7	.0
51	COLMN TOTAL	22411.5	37098.8	161859.1	155081.0	148922.6	8300.0	.0	12570.0	634001.0	113337.2
	WATER TRANSPORTATION	.0	.0	.0	.0	.0	15.4	.0	3.4	69.7	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED WITH RESPECT TO HOUSEHOLD, 1967 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	51	52	53	54	55	56	57	58
1	LIVESTOCK & PRODUCTS	129.0	55.0	4.6	3.7	14.5	-218.9	29171.6	.0
2	OTHER FARM PRODUCTS	1030.7	3183.8	7.2	-813.2	72.8	-408.3	26158.7	.0
3	FOREST & FISH PRODUCTS	2.3	61.6	14.5	-258.5	29.2	-510.3	4216.1	.0
4	IRON ORES MINING	25.3	122.4	-65.1	-.4	.0	-631.1	1102.9	.0
5	NONFERROUS ORES MINING	12.3	35.2	58.3	67.4	.0	-381.0	1223.0	.0
6	CRUDE OIL & NATURAL GAS	256.7	82.1	.0	.0	.0	-1225.0	13640.9	.0
7	OTHER MINING	144.8	538.3	34.8	5.6	6.7	-223.0	6141.3	2.0
8	CONSTRUCTION	-.8	15.1	1098.5	2786.8	26302.3	.0	91650.2	60.1
9	ORDNANCE & ACCESSORIES	147.0	308.7	6431.8	1833.9	6.9	-75.4	9876.3	.0
10	FOOD PRODUCTS & TOBACCO	1088.6	2507.1	206.5	569.1	476.2	-1566.5	94704.3	2.7
11	TEXTILES & APPAREL	551.2	582.6	506.7	50.9	87.2	-1042.1	44808.4	37.9
12	LUMBER & WOOD PRODUCTS	213.5	412.9	108.5	91.2	328.5	-984.5	19857.8	.0
13	PAPER & PRODUCTS	266.9	672.4	90.6	59.7	199.8	-1423.4	20522.7	7.7
14	PRINTING & PUBLISHING	296.8	251.8	179.5	48.7	863.7	-20.8	21560.2	1.1
15	CHEMICALS & PRODUCTS	305.4	1710.3	1285.8	465.7	113.3	-738.2	20815.4	.0
16	OTHER CHEMICAL PRODUCTS	275.7	482.6	123.7	71.9	529.9	-135.2	14789.6	21.9
17	PETROLEUM REFINING	541.3	764.7	938.9	139.3	291.8	-1139.0	29658.8	116.4
18	RUBBER & PLASTICS	168.3	992.6	419.8	37.5	172.7	-379.3	20100.4	8.2
19	LEATHER & PRODUCTS	14.7	62.8	18.3	3.7	2.7	-95.7	5117.4	.0
20	GLASS & PRODUCTS	38.9	145.3	10.0	8.4	53.0	-124.0	3642.8	10.5
21	STONE & CLAY PRODUCTS	127.4	177.0	22.7	3.7	12.9	-206.2	10408.9	1.7
22	PRIMARY IRON & STEEL	514.2	518.5	286.4	3.8	2.0	-1625.3	28667.0	40.2
23	PRIM. NONFERROUS METALS	336.5	725.8	41.8	-33.9	.2	-2162.5	17834.9	37.7
24	MTNG, PLMNG & STR. MFTA	128.0	284.4	178.7	43.0	.0	-64.2	11937.9	.0
25	OTHER FABRICATED METALS	344.2	724.6	346.9	68.2	45.5	-485.1	22861.4	91.9
26	ENGINES & TURBINES	54.6	393.5	365.9	48.9	9.2	-84.5	3343.3	5.5
27	MACHINERY & EQUIPMENTS	918.2	3787.0	889.7	152.2	260.1	-1247.6	34901.7	32.8
28	OFFICE MACHINES	261.5	1069.0	338.7	297.4	285.6	-252.6	10714.6	.0
29	OTHER ELECTRICAL EQUIP.	1066.7	1984.1	6716.9	922.4	325.0	-1317.5	42369.4	6.2
30	SHIPBUILDING & REPAIR	171.1	36.7	1281.6	178.4	.0	-11.8	2362.2	176.3
31	OTHER TRANSPORTATION EQ	1637.2	3966.0	8832.0	1006.4	754.0	-1072.4	67288.0	20.2
32	INSTRUMENTS	183.7	878.6	841.6	206.5	297.2	-306.1	8781.3	12.8
33	MISC. MANUFACTURING	147.3	332.0	58.6	39.6	164.3	-660.4	8257.1	4.3
34	DEEPSEA FOREIGN TRANS.	.0	800.8	651.0	-.1	.0	360.0	1884.2	.8
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.1	.0	1059.8	22.8
36	GREAT LAKES TRANS.	.0	8.8	.0	.0	.0	.0	264.3	.2
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	.2	.0	589.5	102.9
38	LOCAL WATER TRANS.	.0	.0	.0	.0	6.3	.0	258.8	214.8
39	SERVICE TO WATER TRANS.	.0	1029.0	149.3	.0	.0	.0	1738.7	499.6
40	OTHER TRANS. & STORAGE	208.3	1959.8	2154.8	544.8	966.5	-94.3	50334.2	211.1
41	COMMUNICATIONS	.0	139.6	405.1	138.4	482.4	.0	22426.8	27.6
42	UTILITIES	.0	74.3	294.8	49.2	1598.5	-145.1	37056.1	15.8
43	WHOLESALE & RETAIL TRAD	507.9	2614.8	1141.7	255.4	384.2	1285.5	162649.7	.0
44	FINANCE, INSURANCE & R.	.0	667.5	145.2	199.6	1021.2	100.2	159472.9	160.4
45	SERVICES	-56.8	791.8	3712.5	2072.9	4280.8	.0	149524.7	129.7
46	GOVERNMENT ENTERPRISES	.0	106.4	230.9	336.2	252.3	.0	8634.9	21.1
47	NONCOMPETITIVE IMPORTS	-99.7	.0	2876.9	1087.2	3.4	-18247.2	.0	395.4
48	DUMMY INDUSTRIES	.0	.0	98.8	76.9	294.0	-356.0	13868.2	24.3
49	HOUSEHOLD SECTOR	.0	2830.0	.0	81654.0	.0	.0	629118.5	1319.4
50	VALUE ADDED	.0	.0	.0	.0	.0	.0	310231.2	301.6
51	COLMN TOTAL	11978.9	38892.5	43535.4	94522.5	40997.1	-37914.8	2297849.0	4145.6
	WATER TRANSPORTATION	.0	809.6	651.0	-.1	6.6	360.0	4056.6	341.5

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	.192904	.054227	.046834	.000000	.000000	.000000	.000000	.000000	.000000	.208555
2	OTHER FARM PRODUCTS	.287298	.034323	.004279	.000000	.000000	.000000	.000000	.000875	.000000	.087647
3	FOREST & FISH PRODUCTS	.020595	.050861	.019734	.000000	.000000	.000308	.000000	.001843	.000000	.004464
4	IRON ORES MINING	.000000	.000000	.000000	.083326	.000000	.000000	.000000	.000008	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.014142	.174221	.000000	.000261	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.027537	.000179	.000000	.000000	.000000
7	OTHER MINING	.000167	.005020	.000000	.003671	.000000	.000000	.085636	.009414	.000228	.000551
8	CONSTRUCTION	.010303	.014058	.000237	.027542	.012395	.003474	.007970	.000776	.002560	.002746
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.080968	.000000
10	FOOD PRODUCTS & TOBACCO	.124625	.000000	.016081	.000000	.000000	.000000	.000000	.000000	.000000	.179824
11	TEXTILES & APPAREL	.000329	.003077	.026015	.001813	.000000	.000396	.005079	.003014	.002594	.001523
12	LUMBER & WOOD PRODUCTS	.000079	.004059	.003200	.003272	.008848	.000000	.003729	.059495	.006198	.001303
13	PAPER & PRODUCTS	.000545	.000116	.029165	.000000	.000000	.000065	.003874	.003143	.006051	.028295
14	PRINTING & PUBLISHING	.000189	.000342	.000000	.000000	.000000	.000000	.000000	.000071	.000119	.005653
15	CHEMICALS & PRODUCTS	.002559	.087365	.006930	.025105	.040960	.009181	.019579	.001890	.025356	.003868
16	OTHER CHEMICAL PRODUCTS	.001841	.000000	.000593	.000000	.000000	.000763	.000000	.013506	.000086	.002575
17	PETROLEUM REFINING	.005654	.034190	.011930	.003920	.004169	.002917	.016182	.020786	.002692	.002190
18	RUBBER & PLASTICS	.001228	.006198	.001376	.013281	.006908	.002596	.010650	.008062	.010978	.009485
19	LEATHER & PRODUCTS	.000312	.000000	.000190	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.000192	.000000	.000000	.000000	.000000	.000000	.000000	.002710	.000302	.010567
21	STONE & CLAY PRODUCTS	.000065	.000915	.000000	.000639	.001795	.007595	.002281	.073645	.001255	.000000
22	PRIMARY IRON & STEEL	.000000	.000000	.000000	.037957	.033616	.013874	.017896	.017350	.052884	.000138
23	PRIM. NONFERROUS METALS	.000027	.000023	.000000	.003453	.000654	.000000	.002449	.026542	.029967	.000056
24	MTNG, PLMNG & STR. META	.000000	.000000	.000000	.000000	.003900	.001011	.097264	.000000	.000000	.000000
25	OTHER FABRICATED METALS	.002505	.001978	.015053	.003919	.007147	.005116	.011228	.019921	.024488	.025526
26	ENGINES & TURBINES	.000000	.000000	.001115	.003649	.007187	.003563	.006361	.000999	.000491	.000000
27	MACHINERY & EQUIPMENTS	.000432	.011554	.000308	.025444	.062499	.017244	.029762	.010355	.020325	.002620
28	OFFICE MACHINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.006423	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000449	.001476	.000451	.001727	.000659	.012518	.002570	.026113	.028980	.000039
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000233	.000502	.003967	.005077	.001807	.000000	.000000	.000086	.048045	.000039
32	INSTRUMENTS	.000000	.000000	.000000	.000000	.000000	.000682	.000000	.003247	.005410	.000118
33	MISC. MANUFACTURING	.000048	.000072	.001020	.000000	.000000	.000036	.000000	.002128	.000050	.000094
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000010	.000244	.000571	.000000	.000436	.017207	.006411	.000000	.000030	.000590
36	GREAT LAKES TRANS.	.000000	.000305	.000000	.058824	.000000	.000007	.012444	.000000	.000000	.000129
37	RIVER & CANAL TRANS.	.000000	.003068	.002518	.014591	.003928	.002798	.017630	.000000	.000000	.000134
38	LOCAL WATER TRANS.	.000000	.000004	.003110	.000404	.000000	.000040	.000094	.000000	.000000	.000011
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.033008	.091091	.028020	.039500	.016009	.044771	.371854	.027422	.012342	.021859
41	COMMUNICATIONS	.002574	.002606	.000261	.001903	.001858	.000929	.001603	.003632	.011501	.003021
42	UTILITIES	.003293	.007732	.000683	.044456	.032531	.010481	.030581	.000925	.005649	.006740
43	WHOLESALE & RETAIL TRAD	.044602	.055965	.019649	.015890	.015675	.010994	.021038	.089488	.028224	.033878
44	FINANCE, INSURANCE & R.	.027832	.087715	.031816	.126168	.056775	.184324	.057639	.014583	.006736	.011188
45	SERVICES	.013159	.051989	.002967	.058083	.019734	.019925	.035167	.058028	.033831	.039862
46	GOVERNMENT ENTERPRISES	.000110	.000132	.000000	.001185	.001128	.000465	.000806	.000703	.001474	.000944
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.008681	.000000	.000000	.000000	.000000	.001080	.000000	.013920
48	DUMMY INDUSTRIES	.001194	.001694	.010209	.004770	.010033	.007175	.005433	.007478	.018945	.004848
49	HOUSEHOLD SECTOR	.153590	.307093	.512784	.347786	.406167	.400540	.502331	.360139	.490778	.189472
	COLUMN TOTAL	.932251	.919994	.809718	.971497	.927161	.811423	1.289732	.975145	.963538	.904474
	WATER TRANSPORTATION	.000010	.003621	.006199	.073818	.004364	.020053	.036579	.000000	.000030	.000864

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.005807	.000000	.000000	.000000	.000000	.000805	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.026281	.000000	.000000	.000000	.001721	.003928	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.003691	.056643	.000000	.000000	.000596	.000183	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.002273	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.003341	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.002306	.000000	.389716	.000000	.000000	.000000
7	OTHER MINING	.000440	.000260	.007396	.000000	.035421	.002439	.002237	.002756	.000332	.013238
8	CONSTRUCTION	.001980	.004683	.007006	.003552	.007676	.003880	.011867	.005129	.001459	.008743
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000712	.000000	.005591	.000000	.003952	.017580	.001007	.002408	.000214	.000000
11	TEXTILES & APPAREL	.425389	.024730	.008751	.004602	.001201	.000685	.000089	.038219	.061122	.001109
12	LUMBER & WOOD PRODUCTS	.000264	.236698	.057289	.000000	.002734	.000414	.000050	.001627	.008917	.009684
13	PAPER & PRODUCTS	.007340	.008677	.273465	.149640	.012504	.031875	.005289	.028322	.018546	.062360
14	PRINTING & PUBLISHING	.000206	.000025	.000284	.116910	.000075	.001794	.000064	.000000	.000000	.000000
15	CHEMICALS & PRODUCTS	.011258	.008762	.035587	.018547	.206448	.105341	.019091	.148733	.011644	.024013
16	OTHER CHEMICAL PRODUCTS	.000893	.008740	.001087	.000678	.002336	.048776	.002503	.003550	.008895	.005320
17	PETROLEUM REFINING	.001069	.005834	.006254	.001752	.087550	.003922	.216693	.000761	.001224	.001847
18	RUBBER & PLASTICS	.064176	.020172	.024166	.005728	.008367	.046686	.001748	.149043	.066812	.025402
19	LEATHER & PRODUCTS	.001655	.000257	.000024	.000023	.000033	.000000	.000017	.000434	.196138	.000000
20	GLASS & PRODUCTS	.001555	.003627	.000000	.000000	.000323	.013310	.000000	.001900	.000000	.067824
21	STONE & CLAY PRODUCTS	.000088	.006028	.001063	.000000	.002054	.001725	.001520	.000673	.000254	.013209
22	PRIMARY IRON & STEEL	.000000	.019713	.001435	.000468	.003968	.000796	.000245	.001620	.000000	.000000
23	PRIM. NONFERROUS METALS	.000000	.003168	.000658	.001211	.012556	.002076	.001162	.001452	.000000	.007577
24	HTNG, PLMNG & STR. META	.000000	.000458	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.003217
25	OTHER FABRICATED METALS	.000736	.033871	.009905	.001327	.014969	.037080	.003366	.010974	.016677	.000687
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
27	MACHINERY & EQUIPMENTS	.003683	.004553	.007764	.001417	.014795	.001280	.002933	.007736	.004575	.003553
28	OFFICE MACHINES	.000000	.000141	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000134	.000558	.000150	.000068	.001021	.000066	.000386	.000081	.000684	.000243
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000221	.000000	.000000	.000000	.000000	.000000	.000558	.000000	.000000
32	INSTRUMENTS	.000507	.000455	.000244	.008332	.000305	.000254	.000566	.000216	.000600	.000498
33	MISC. MANUFACTURING	.007656	.000637	.000166	.001399	.000000	.000054	.000000	.002746	.006253	.001564
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000061	.001243	.000114	.000032	.001410	.000462	.016706	.000620	.000710	.000372
36	GREAT LAKES TRANS.	.000000	.000206	.000460	.000000	.000023	.000000	.000250	.000000	.000019	.001035
37	RIVER & CANAL TRANS.	.000000	.000969	.000082	.000000	.002399	.000000	.003088	.000039	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000307	.000000	.000000	.000005	.000000	.000315	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.010145	.049859	.042503	.012223	.053339	.022422	.034826	.031165	.008732	.055074
41	COMMUNICATIONS	.003190	.003545	.003514	.011533	.003454	.004439	.000723	.004525	.003868	.003568
42	UTILITIES	.007362	.008938	.016938	.005554	.034414	.003764	.015163	.013283	.005867	.037647
43	WHOLESALE & RETAIL TRAD	.028250	.036654	.032582	.025302	.022089	.030796	.009123	.033440	.043800	.027810
44	FINANCE, INSURANCE & R.	.015536	.016964	.018786	.050285	.029544	.035012	.027550	.020473	.020753	.025001
45	SERVICES	.016065	.023537	.026539	.048224	.032329	.158968	.025746	.036003	.027297	.033282
46	GOVERNMENT ENTERPRISES	.001665	.000933	.000959	.013002	.001050	.001734	.000520	.000856	.002920	.001183
47	NONCOMPETITIVE IMPORTS	.001372	.000106	.000000	.000120	.001940	.003108	.000066	.009517	.001484	.000000
48	DUMMY INDUSTRIES	.065109	.005636	.004852	.015080	.006540	.015628	.001235	.010881	.006732	.008269
49	HOUSEHOLD SECTOR	.310781	.372065	.341135	.455694	.321911	.310103	.098090	.372562	.384125	.505169
	COLUMN TOTAL	.965095	.969853	.938779	.952701	.938973	.911408	.893950	.942099	.910613	.945520
	WATER TRANSPORTATION	.000081	.002725	.000656	.000032	.003837	.000462	.020359	.000659	.000729	.001407

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000929	.052256	.000111	.000000	.000000	.000000	.000000	.000000	.000024	.000000
5	NONFERROUS ORES MINING	.001193	.001976	.059013	.000000	.000000	.000000	.000000	.000000	.000160	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.000468	.025679	.000865	.000094	.000578	.000615	.000205	.000115	.000191	.000157
8	CONSTRUCTION	.009468	.010119	.003731	.003405	.003350	.003865	.003414	.002390	.003195	.004037
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000540	.000024	.000437	.000000	.000000	.000000	.000000	.000000	.000000	.000000
11	TEXTILES & APPAREL	.007329	.000740	.001057	.000860	.001516	.000564	.001213	.001072	.001554	.001476
12	LUMBER & WOOD PRODUCTS	.002455	.002366	.004800	.001897	.003843	.000000	.002424	.001553	.008320	.010042
13	PAPER & PRODUCTS	.021959	.000926	.001660	.006492	.011518	.004562	.001655	.005867	.010591	.000576
14	PRINTING & PUBLISHING	.006221	.000135	.000665	.000069	.005707	.000000	.000046	.007536	.000933	.000080
15	CHEMICALS & PRODUCTS	.017090	.013307	.009413	.000954	.006468	.000456	.000663	.001816	.007040	.000157
16	OTHER CHEMICAL PRODUCTS	.001132	.000363	.000511	.009730	.008163	.001319	.001340	.002970	.002518	.001884
17	PETROLEUM REFINING	.005603	.003758	.002375	.002611	.002120	.005134	.005080	.001516	.002145	.002559
18	RUBBER & PLASTICS	.011499	.001064	.011292	.001647	.011292	.001613	.010166	.011492	.022862	.001264
19	LEATHER & PRODUCTS	.006245	.000058	.000310	.000000	.000065	.000238	.000157	.000094	.000208	.000041
20	GLASS & PRODUCTS	.000000	.000000	.000000	.004565	.000691	.000000	.000000	.000000	.009943	.001920
21	STONE & CLAY PRODUCTS	.119238	.003661	.002095	.002039	.003053	.011430	.007399	.005878	.005809	.005163
22	PRIMARY IRON & STEEL	.011560	.213104	.007105	.246233	.233234	.123667	.117324	.035696	.030390	.071351
23	PRIM. NONFERROUS METALS	.002322	.021252	.386625	.070429	.058116	.061682	.026034	.036432	.044555	.038187
24	MTNG, PLMNG & STR. META	.000000	.000000	.000000	.028701	.000000	.002212	.005246	.002291	.000212	.059877
25	OTHER FABRICATED METALS	.011529	.019564	.009275	.045752	.048109	.036674	.023962	.041249	.036231	.028120
26	ENGINES & TURBINES	.000789	.000000	.000000	.000000	.000199	.094501	.013438	.000369	.000776	.053120
27	MACHINERY & EQUIPMENTS	.013566	.027965	.019140	.021174	.021781	.072593	.127543	.025096	.014812	.085646
28	OFFICE MACHINES	.000000	.000000	.000000	.002490	.000000	.000000	.000000	.120518	.004042	.000985
29	OTHER ELECTRICAL EQUIP.	.003406	.010610	.003241	.009814	.001250	.035036	.026272	.113626	.181829	.012420
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.010541
31	OTHER TRANSPORTATION EQ	.000000	.000000	.000000	.000000	.002679	.000000	.000068	.000523	.001268	.000000
32	INSTRUMENTS	.000270	.001767	.000250	.005157	.000289	.001758	.002469	.005618	.002692	.004685
33	MISC. MANUFACTURING	.002444	.000331	.000764	.000082	.000048	.000000	.000195	.002312	.000897	.000084
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000659	.000865	.000020	.000200	.000283	.000088	.000091	.000064	.000089	.000000
36	GREAT LAKES TRANS.	.000772	.000195	.000000	.000017	.000034	.000029	.000041	.000000	.000050	.000000
37	RIVER & CANAL TRANS.	.000320	.000518	.000075	.000000	.000004	.000000	.000000	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.079457	.037621	.015661	.026672	.020115	.009985	.013242	.011665	.010888	.011038
41	COMMUNICATIONS	.005379	.003164	.002280	.006276	.004211	.005011	.006184	.006292	.007412	.005754
42	UTILITIES	.074509	.028062	.023475	.008037	.010019	.005774	.007016	.004094	.007098	.007466
43	WHOLESALE & RETAIL TRAD	.025907	.025949	.038336	.034254	.019798	.040926	.033660	.044814	.030102	.031475
44	FINANCE, INSURANCE & R.	.027398	.007868	.013330	.021114	.016815	.009739	.024967	.034424	.020842	.010021
45	SERVICES	.030746	.030768	.015801	.025179	.022829	.022530	.025830	.028892	.034868	.017807
46	GOVERNMENT ENTERPRISES	.000965	.000851	.000525	.000875	.000708	.001066	.001119	.001082	.001317	.001049
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.003530	.000000	.000000	.001545	.000694	.000000	.002036	.000000
48	DUYMY INDUSTRIES	.007720	.003344	.004170	.012605	.009876	.011833	.012003	.022856	.013586	.009311
49	HOUSEHOLD SECTOR	.409456	.370753	.253913	.343212	.420416	.384001	.454058	.379130	.440323	.509046
	COLUMN TOTAL	.948544	.924012	.895850	.942635	.949177	.950866	.955217	.959339	.962307	1.001338
	WATER TRANSPORTATION	.001752	.001578	.000095	.000217	.000321	.000117	.000133	.000064	.000140	.000000

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000075
2	OTHER FARM PRODUCTS	.000000	.000967	.001223	.000000	.000000	.000000	.000000	.000000	.000000	.000044
3	FOREST & FISH PRODUCTS	.000000	.000000	.000291	.000000	.000000	.000000	.000000	.000000	.000000	.000048
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000296	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000507
7	OTHER MINING	.000271	.000312	.000533	.000337	.000377	.000378	.000339	.000386	.000472	.000348
8	CONSTRUCTION	.224533	.224533	.224533	.234277	.222871	.222871	.222871	.222871	.222871	.221777
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
11	TEXTILES & APPAREL	.016554	.011255	.027756	.011288	.007266	.007189	.006955	.006955	.006955	.001941
12	LUMBER & WOOD PRODUCTS	.006522	.000844	.018611	.000000	.000000	.000000	.000000	.000000	.000000	.001007
13	PAPER & PRODUCTS	.002132	.014133	.020363	.002388	.001510	.001135	.001527	.001546	.001552	.001748
14	PRINTING & PUBLISHING	.000082	.000000	.000000	.000425	.000189	.000000	.000170	.000000	.000202	.001066
15	CHEMICALS & PRODUCTS	.000949	.025074	.005119	.000000	.000000	.000000	.000000	.000000	.000000	.000955
16	OTHER CHEMICAL PRODUCTS	.002822	.000377	.005320	.006846	.004246	.004162	.004071	.003864	.004722	.001110
17	PETROLEUM REFINING	.022443	.021342	.023229	.024355	.022497	.021945	.021715	.021252	.025995	.037567
18	RUBBER & PLASTICS	.000327	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
19	LEATHER & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.005476	.006265	.003841	.003291	.002076	.001892	.001866	.001952	.002294	.000566
21	STONE & CLAY PRODUCTS	.002124	.001906	.002596	.000531	.000283	.000378	.000339	.000386	.000337	.000254
22	PRIMARY IRON & STEEL	.000520	.018367	.029150	.012525	.007832	.007567	.007404	.007342	.008635	.005055
23	PRIM. NONFERROUS METALS	.002204	.042998	.045315	.011782	.007266	.007169	.006955	.006955	.008695	.003425
24	MISC. PRIMARY METAL	.001804	.000961	.000219	.000000	.000000	.000000	.000000	.000000	.000000	.003356
25	OTHER FABRICATED METALS	.007758	.034569	.025998	.022766	.017757	.017026	.017113	.016815	.019765	.002240
26	ENGINES & TURBINES	.004935	.000000	.000000	.001698	.001038	.001135	.001018	.001159	.001147	.001393
27	MACHINERY & EQUIPMENTS	.035490	.013420	.000871	.010296	.006228	.006432	.006107	.005796	.007083	.002308
28	OFFICE MACHINES	.006008	.000000	.000230	.000000	.000000	.000000	.000000	.000000	.000000	.000135
29	OTHER ELECTRICAL EQUIP.	.025537	.039436	.011928	.001804	.001227	.001513	.001018	.001932	.001214	.003647
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.055037	.034063	.033296	.032740	.032457	.037979	.000000
31	OTHER TRANSPORTATION EQ	.263776	.001462	.000000	.006369	.003963	.003405	.003732	.003478	.004452	.010728
32	INSTRUMENTS	.007396	.063956	.000362	.004034	.002453	.002270	.002375	.002318	.002698	.000472
33	MISC. MANUFACTURING	.006659	.001079	.073952	.001327	.000849	.000757	.000848	.000773	.000877	.000234
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000755	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000098	.000011	.000617	.000000	.021513	.000000	.000000	.000000	.000000	.000000
36	GREAT LAKES TRANS.	.000054	.000000	.000056	.000000	.000000	.000757	.000000	.000000	.000000	.000000
37	RIVER & CANAL TRANS.	.000001	.000000	.000269	.000000	.000000	.000000	.174555	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.052159	.085393	.000000	.075997	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.163364	.211644	.029890	.029008	.005025	.011400	.000000
40	OTHER TRANS. & STORAGE	.018045	.005292	.015204	.073678	.049915	.053727	.044279	.021638	.018932	.077509
41	COMMUNICATIONS	.000920	.000938	.000965	.000955	.000378	.000757	.000339	.000386	.000955	.000477
42	UTILITIES	.004707	.005413	.005605	.004936	.002925	.003027	.003053	.003091	.003305	.007377
43	WHOLESALE & RETAIL TRAD	.022709	.029787	.040487	.000000	.000000	.000000	.000000	.000000	.000000	.032251
44	FINANCE, INSURANCE & R.	.011327	.022843	.023720	.050048	.030855	.030647	.030025	.029356	.034471	.037858
45	SERVICES	.030344	.044552	.043944	.040495	.025099	.024215	.024068	.023957	.027928	.032957
46	GOVERNMENT ENTERPRISES	.001134	.001508	.002417	.006687	.004152	.003784	.003732	.003478	.004587	.003016
47	NONCOMPETITIVE IMPORTS	.001168	.000101	.021968	.123448	.076335	.074915	.073452	.072643	.085133	.007449
48	DUMMY INDUSTRIES	.006835	.017653	.012319	.007536	.004718	.004540	.004560	.004637	.005262	.006253
49	HOUSEHOLD SECTOR	.296930	.481922	.398492	.274822	.303941	.394344	.362923	.623284	.475616	.495920
	COLUMN TOTAL	.949606	.920840	.950523	1.019495	.954725	.753406	.957664	.972594	.807849	.797816
	WATER TRANSPORTATION	.000154	.000011	.000942	.052159	.107662	.000757	.250551	.000000	.000000	.000000

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED W. R. T. HOUSEHOLD, 1967

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000464	.000000	.000000	.002250	.002679
2	OTHER FARM PRODUCTS	.000036	.000027	.000062	.000112	.001574	.000269	.000000	.000732	.000971
3	FOREST & FISH PRODUCTS	.000000	.000146	.000845	.000936	.000174	.000000	.000000	.003791	.000929
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000068	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000001	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.067961	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.000000	.029008	.000000	.000095	.000107	.001060	.000000	.001264	.000203
8	CONSTRUCTION	.002430	.004774	.003120	.008811	.008676	.015429	.000000	.000167	.000000
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000005	.000000	.000000	.001164	.000513
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.000176	.000000	.003373	.000000	.000000	.227036	.105297
11	TEXTILES & APPAREL	.000232	.000518	.000692	.000006	.002144	.002441	.000000	.002098	.032151
12	LUMBER & WOOD PRODUCTS	.000129	.000170	.000770	.000731	.000070	.000286	.000000	.001418	.006824
13	PAPER & PRODUCTS	.000954	.000839	.009172	.001724	.002509	.001143	.000000	.039728	.002503
14	PRINTING & PUBLISHING	.001828	.000454	.001340	.002801	.067327	.004182	.000000	.111054	.006548
15	CHEMICALS & PRODUCTS	.000022	.001844	.000078	.001075	.002060	.011073	.000000	.002659	.000801
16	OTHER CHEMICAL PRODUCTS	.000740	.001001	.000408	.002709	.011971	.004124	.000000	.006259	.011675
17	PETROLEUM REFINING	.003174	.009933	.008357	.002392	.005116	.007628	.000000	.000244	.016204
18	RUBBER & PLASTICS	.001114	.000872	.003446	.000901	.006635	.001621	.000000	.002108	.003635
19	LEATHER & PRODUCTS	.000000	.000000	.000039	.000000	.001475	.000165	.000000	.003460	.005816
20	GLASS & PRODUCTS	.000027	.000067	.000767	.000199	.000972	.000121	.000000	.000389	.000504
21	STONE & CLAY PRODUCTS	.000379	.001808	.000236	.000764	.001663	.000801	.000000	.000829	.000388
22	PRIMARY IRON & STEEL	.000045	.001544	.000050	.000114	.000072	.000000	.000000	.000465	.000006
23	PRIM. NONFERROUS METALS	.000914	.000942	.000000	.000324	.000038	.000124	.000000	.000506	.000023
24	MTNG. PLMNG & STR. META	.001494	.001792	.000000	.002644	.000000	.000836	.000000	.000157	.000104
25	OTHER FABRICATED METALS	.000094	.002937	.001290	.000765	.013003	.001229	.000000	.001843	.001825
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000690	.000000	.000000	.000033	.000230
27	MACHINERY & EQUIPMENTS	.000049	.001259	.000158	.000376	.006462	.001397	.000000	.003038	.000242
28	OFFICE MACHINES	.000103	.000094	.000000	.000025	.002598	.000400	.000000	.000996	.000820
29	OTHER ELECTRICAL EQUIP.	.013892	.002760	.000279	.001782	.007003	.001416	.000000	.012667	.013616
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000219	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000147	.000108	.000217	.000000	.009079	.001022	.000000	.001647	.027561
32	INSTRUMENTS	.000138	.000022	.000000	.000046	.006647	.000243	.000000	.018013	.001972
33	MISC. MANUFACTURING	.000169	.000070	.000562	.000441	.007405	.000286	.000000	.032479	.007021
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.001702	.000000	.000000	.000091
35	DEEPSEA DOMESTIC TRANS.	.000000	.000000	.000000	.000000	.000000	.000046	.000000	.000218	.000006
36	GREAT LAKES TRANS.	.000000	.000000	.000000	.000000	.000000	.000012	.000000	.000007	.000006
37	RIVER & CANAL TRANS.	.000000	.000000	.000000	.000000	.000000	.000023	.000000	.000014	.000002
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000006
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000065
40	OTHER TRANS. & STORAGE	.001182	.000934	.006154	.001650	.002483	.091316	.000000	.234255	.016917
41	COMMUNICATIONS	.015966	.003303	.011314	.007154	.035095	.002650	.000000	.000027	.012457
42	UTILITIES	.007967	.214061	.015008	.004946	.014877	.018616	.000000	.000992	.022150
43	WHOLESALE & RETAIL TRAD	.010020	.006889	.021773	.009305	.029295	.007052	.000000	.054027	.173841
44	FINANCE, INSURANCE & R.	.027827	.013122	.069145	.106766	.058411	.038002	.000000	.000140	.152752
45	SERVICES	.085719	.016144	.070304	.047518	.075272	.044228	.000000	.121714	.118918
46	GOVERNMENT ENTERPRISES	.004052	.003155	.011736	.007404	.007244	.000551	.000000	.001518	.003414
47	NONCOMPETITIVE IMPORTS	.005939	.000016	.000285	.000537	.000511	.039505	.000000	.000143	.015688
48	DUMMY INDUSTRIES	.014459	.006036	.015463	.010365	.019558	.006413	.000000	.000753	.000000
49	HOUSEHOLD SECTOR	.559815	.373397	.540303	.449632	.491248	.938853	.000000	.000000	.007472
	COLUMN TOTAL	.761054	.770025	.793500	.675050	.903307	1.246505	.000000	.900371	.780046
	WATER TRANSPORTATION	.000000	.000000	.000000	.000000	.000000	.001783	.000000	.000239	.000111

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1967

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	1.394037	.153429	.142115	.080472	.081252	.068394	.110473	.085763	.088046	.415009
2	OTHER FARM PRODUCTS	.469287	1.120403	.086659	.063977	.064408	.054176	.087720	.068947	.069871	.274804
3	FOREST & FISH PRODUCTS	.060564	.067864	1.033840	.011796	.012212	.009948	.015740	.018496	.013007	.034830
4	IRON ORES MINING	.002142	.002426	.001946	1.096667	.006142	.003076	.004953	.006240	.007642	.002487
5	NONFERROUS ORES MINING	.001991	.002433	.001665	.021853	1.214014	.001893	.003712	.006891	.007154	.002076
6	CRUDE OIL & NATURAL GAS	.047252	.060016	.037838	.044818	.043761	1.060731	.068513	.049514	.040870	.040642
7	OTHER MINING	.013596	.019894	.006786	.019225	.015374	.009657	1.109775	.030185	.014692	.012992
8	CONSTRUCTION	.037442	.035163	.017158	.051403	.034461	.020259	.034967	1.022944	.023321	.027442
9	ORDNANCE & ACCESSORIES	.001026	.001070	.001036	.001150	.001157	.000973	.001568	.001209	1.089421	.001009
10	FOOD PRODUCTS & TOBACCO	.437154	.258754	.267026	.261927	.264755	.222861	.359650	.277737	.286875	1.503918
11	TEXTILES & APPAREL	.112784	.120369	.153480	.124186	.119899	.101050	.174005	.136116	.135962	.112240
12	LUMBER & WOOD PRODUCTS	.030009	.033621	.031773	.035199	.043107	.023563	.044197	.109500	.044157	.032802
13	PAPER & PRODUCTS	.059821	.054769	.087791	.053417	.052766	.043734	.076939	.067522	.070632	.102135
14	PRINTING & PUBLISHING	.052666	.054441	.046808	.057868	.054641	.045421	.074624	.061375	.060868	.060336
15	CHEMICALS & PRODUCTS	.088419	.157096	.049148	.078639	.103697	.044687	.083392	.054637	.082678	.073019
16	OTHER CHEMICAL PRODUCTS	.034051	.032869	.030464	.035182	.034056	.029635	.046567	.052061	.036806	.034769
17	PETROLEUM REFINING	.099990	.130186	.079411	.083315	.082774	.084525	.130966	.103594	.081451	.083159
18	RUBBER & PLASTICS	.046321	.049638	.042973	.060395	.052599	.038192	.073599	.061086	.063417	.056562
19	LEATHER & PRODUCTS	.013719	.013843	.013492	.014724	.014749	.012434	.020060	.015633	.015955	.013129
20	GLASS & PRODUCTS	.009273	.007184	.006852	.007669	.007353	.006334	.010263	.012044	.009099	.021103
21	STONE & CLAY PRODUCTS	.008576	.009568	.005881	.011234	.011805	.015222	.013496	.092790	.010269	.007668
22	PRIMARY IRON & STEEL	.033451	.035418	.031730	.097369	.102855	.051611	.082826	.104988	.129939	.040183
23	PRIM. NONFERROUS METALS	.020826	.022933	.018678	.034756	.031202	.020954	.037822	.086005	.088633	.022602
24	MTNG, PLMNG & STR. META	.006140	.006198	.003814	.008360	.006515	.008791	.008515	.105122	.005093	.004982
25	OTHER FABRICATED METALS	.044678	.040969	.049025	.047042	.050413	.037682	.066429	.072902	.077081	.069891
26	ENGINES & TURBINES	.002273	.002643	.003153	.007712	.013145	.006253	.012000	.004011	.003814	.002164
27	MACHINERY & EQUIPMENTS	.025479	.035382	.018085	.057697	.110326	.037775	.067355	.042515	.055289	.026303
28	OFFICE MACHINES	.003852	.004026	.003464	.004484	.004140	.003472	.005625	.014354	.004991	.003737
29	OTHER ELECTRICAL EQUIP.	.043440	.046419	.040538	.051719	.050866	.035332	.069203	.084771	.092217	.041584
30	SHIPBUILDING & REPAIR	.000322	.000483	.000446	.003208	.000482	.001128	.001996	.000307	.000252	.000304
31	OTHER TRANSPORTATION EQ	.070627	.074146	.073809	.084894	.079403	.065055	.110346	.081308	.153401	.068662
32	INSTRUMENTS	.008849	.009352	.008317	.010409	.009978	.008979	.013451	.014793	.017699	.009079
33	MISC. MANUFACTURING	.019089	.019972	.019910	.021321	.020999	.017741	.026524	.025132	.023149	.019056
34	DEEPSEA FOREIGN TRANS.	.000186	.000195	.000182	.000208	.000207	.000189	.000238	.000218	.000222	.000184
35	DEEPSEA DOMESTIC TRANS.	.003397	.004333	.003150	.002938	.003470	.020244	.011565	.003616	.002928	.003568
36	GREAT LAKES TRANS.	.000599	.000877	.000391	.064966	.000726	.000444	.014337	.001014	.000830	.000718
37	RIVER & CANAL TRANS.	.005211	.006128	.004401	.021039	.007436	.004589	.025376	.002123	.001683	.002458
38	LOCAL WATER TRANS.	.000794	.001131	.003880	.002395	.000970	.002203	.003166	.000628	.000491	.000678
39	SERVICE TO WATER TRANS.	.000982	.001284	.000973	.003377	.001143	.004627	.003882	.001033	.000870	.000997
40	OTHER TRANS. & STORAGE	.188420	.214899	.126340	.159122	.130087	.135106	.580309	.162924	.133894	.160276
41	COMMUNICATIONS	.055552	.056370	.046948	.058677	.056216	.047154	.076658	.064033	.070920	.055245
42	UTILITIES	.098312	.105248	.083422	.159641	.146999	.092411	.173388	.111308	.113908	.100974
43	WHOLESALE & RETAIL TRAD	.450469	.442958	.379919	.420600	.421856	.347876	.577549	.523485	.466150	.425798
44	FINANCE, INSURANCE & R.	.482495	.527622	.422939	.591858	.509685	.573455	.676241	.488037	.474118	.437125
45	SERVICES	.388918	.416865	.331284	.445383	.397503	.338026	.554552	.466490	.440256	.402293
46	GOVERNMENT ENTERPRISES	.020732	.021485	.016385	.023880	.022616	.019307	.030910	.024200	.024145	.021033
47	NONCOMPETITIVE IMPORTS	.037775	.037318	.043451	.044535	.038330	.034049	.056039	.041358	.040936	.051650
48	DUMMY INDUSTRIES	.034699	.035540	.037730	.040378	.045214	.035545	.051959	.046543	.056283	.037891
49	HOUSEHOLD SECTOR	1.636577	1.706116	1.642422	1.820549	1.833402	1.549434	2.499420	1.918831	1.970907	1.602057
	COLUMN TOTAL	6.702259	6.263350	5.562996	6.503630	6.411169	5.396995	8.396926	6.826327	6.702290	6.524619
	WATER TRANSPORTATION	.008186	.012664	.012034	.091546	.012810	.027669	.054732	.007598	.006154	.007606
	MULTIPLIER	6.570317	5.768274	5.637996	6.001530	6.347431	5.116240	5.999402	6.353976	6.717063	6.519086

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1967

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.102280	.090456	.084785	.086201	.081425	.087161	.065051	.083884	.081761	.085069
2	OTHER FARM PRODUCTS	.120288	.071070	.067298	.068518	.066450	.072057	.051568	.068368	.067925	.067509
3	FOREST & FISH PRODUCTS	.021637	.088140	.017715	.012975	.012515	.012408	.009426	.012437	.012918	.013007
4	IRON ORES MINING	.002167	.004812	.002817	.002168	.006174	.003170	.002614	.003080	.002391	.002232
5	NONFERROUS ORES MINING	.002129	.003023	.002469	.002194	.009141	.003212	.002130	.003373	.002126	.003017
6	CRUDE OIL & NATURAL GAS	.041002	.043394	.045992	.039767	.099948	.044573	.545582	.048278	.037116	.043676
7	OTHER MINING	.013404	.013570	.024641	.012869	.061304	.019529	.014053	.022980	.011909	.030321
8	CONSTRUCTION	.023408	.025800	.028963	.024558	.030580	.025299	.033386	.026467	.020401	.028952
9	ORDNANCE & ACCESSORIES	.001198	.001203	.001157	.001217	.001128	.001122	.000917	.001162	.001137	.001204
10	FOOD PRODUCTS & TOBACCO	.279551	.278466	.275479	.280705	.265300	.282119	.212075	.271453	.262095	.276952
11	TEXTILES & APPAREL	1.874224	.186699	.147934	.138468	.121012	.121379	.096340	.199395	.258033	.130874
12	LUMBER & WOOD PRODUCTS	.031828	1.341453	.132110	.046333	.034532	.032776	.024362	.035207	.044864	.049934
13	PAPER & PRODUCTS	.078119	.076160	1.433052	.288974	.074872	.108181	.052193	.103822	.089926	.147938
14	PRINTING & PUBLISHING	.056992	.057297	.056014	1.192758	.055451	.068880	.046024	.057112	.054654	.057187
15	CHEMICALS & PRODUCTS	.095694	.066539	.110785	.079606	1.308264	.194297	.069601	.265323	.081527	.084067
16	OTHER CHEMICAL PRODUCTS	.036965	.047630	.036753	.036673	.037024	1.086717	.031680	.039094	.045485	.041434
17	PETROLEUM REFINING	.081375	.087472	.090976	.079303	.214599	.091122	1.341882	.096939	.073710	.081719
18	RUBBER & PLASTICS	.176835	.080990	.086115	.058644	.056187	.103732	.038888	1.227050	.151364	.079218
19	LEATHER & PRODUCTS	.019086	.015952	.014974	.015603	.014522	.014522	.011802	.015660	1.258952	.015460
20	GLASS & PRODUCTS	.010771	.013053	.007971	.007758	.007802	.022721	.006170	.010053	.007825	1.080531
21	STONE & CLAY PRODUCTS	.007557	.016852	.010217	.007650	.011853	.010302	.013957	.009059	.007325	.024105
22	PRIMARY IRON & STEEL	.033585	.081047	.044270	.034286	.050991	.046809	.042459	.042170	.038139	.034908
23	PRIM. NONFERROUS METALS	.022327	.034077	.025624	.024086	.049953	.031140	.023301	.029567	.022903	.034951
24	HTNG, PLMNG & STR. META	.004815	.005709	.005467	.005012	.006013	.004957	.007855	.005174	.004369	.005714
25	OTHER FABRICATED METALS	.040957	.087506	.056269	.042441	.058977	.082556	.039476	.054708	.059927	.041023
26	ENGINES & TURBINES	.002290	.002550	.002527	.002227	.003285	.002387	.004255	.002516	.002152	.002494
27	MACHINERY & EQUIPMENTS	.026905	.030310	.034374	.023863	.046076	.026674	.032267	.035067	.027543	.026492
28	OFFICE MACHINES	.004146	.004426	.004133	.004288	.004092	.004379	.003464	.004125	.003946	.004252
29	OTHER ELECTRICAL EQUIP.	.047478	.049233	.046820	.048245	.046956	.046088	.046612	.046862	.045738	.048157
30	SHIPBUILDING & REPAIR	.000245	.000413	.000306	.000230	.000697	.000291	.001851	.000328	.000255	.000313
31	OTHER TRANSPORTATION EQ	.079692	.081622	.077846	.080469	.076276	.075741	.062269	.078313	.075554	.080728
32	INSTRUMENTS	.010809	.010727	.010116	.020423	.010202	.011082	.009240	.010254	.010325	.010566
33	MISC. MANUFACTURING	.036518	.023387	.021658	.024220	.020724	.022082	.016990	.025425	.030508	.023803
34	DEEPSEA FOREIGN TRANS.	.000218	.000217	.000209	.000240	.000207	.000203	.000190	.000209	.000209	.000216
35	DEEPSEA DOMESTIC TRANS.	.003013	.004665	.003428	.002766	.008153	.003737	.033045	.004230	.003529	.003376
36	GREAT LAKES TRANS.	.000480	.000912	.001289	.000553	.001358	.000636	.000786	.000658	.000483	.001834
37	RIVER & CANAL TRANS.	.001713	.003297	.002104	.001454	.006839	.002001	.007764	.002352	.001394	.001861
38	LOCAL WATER TRANS.	.000521	.001394	.000608	.000458	.001376	.000579	.003917	.000652	.000513	.000543
39	SERVICE TO WATER TRANS.	.000874	.001292	.000994	.000820	.002147	.001030	.007473	.001154	.000967	.000998
40	OTHER TRANS. & STORAGE	.134832	.183656	.179293	.133477	.201951	.145333	.159497	.162021	.118623	.182300
41	COMMUNICATIONS	.061654	.061405	.060028	.070675	.058659	.063219	.046525	.060966	.058711	.060367
42	UTILITIES	.115775	.115670	.131250	.110553	.153517	.107535	.108326	.124666	.104731	.152064
43	WHOLESALE & RETAIL TRAD	.470037	.470780	.452972	.452523	.425224	.428877	.338999	.448061	.454679	.450747
44	FINANCE, INSURANCE & R.	.486446	.482963	.471067	.518905	.488352	.476513	.493608	.472650	.459500	.484781
45	SERVICES	.416297	.422555	.415340	.449618	.414837	.547747	.348276	.425211	.406227	.425319
46	GOVERNMENT ENTERPRISES	.024912	.023496	.022962	.037191	.022708	.023945	.019002	.022801	.024865	.023371
47	NONCOMPETITIVE IMPORTS	.043259	.041279	.039019	.040272	.041124	.041075	.034333	.050070	.040485	.040193
48	DUMMY INDUSTRIES	.043118	.042471	.040408	.051698	.041734	.052849	.033015	.047159	.041764	.042706
49	HOUSEHOLD SECTOR	1.909556	1.917773	1.845162	1.923604	1.793815	1.756556	1.459830	1.839152	1.810681	1.920323
	COLUMN TOTAL	7.102980	6.794865	6.673779	6.587540	6.608328	6.411299	6.054347	6.596736	6.422183	6.448785
	WATER TRANSPORTATION	.005944	.010485	.007639	.005471	.017933	.007155	.045701	.008101	.006128	.007831
	MULTIPLIER	7.111746	6.628007	6.694660	6.573679	6.489270	6.556063	5.996839	6.489169	6.795695	6.315751

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1967

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.085749	.081089	.073198	.081905	.083897	.084011	.085544	.085871	.086471	.090412
2	OTHER FARM PRODUCTS	.068265	.064318	.058044	.064919	.066540	.066536	.067782	.068019	.068583	.071623
3	FOREST & FISH PRODUCTS	.012381	.011603	.010895	.011703	.012102	.011803	.012134	.012265	.012890	.013346
4	IRON ORES MINING	.004831	.075655	.003802	.021840	.020363	.013881	.012768	.006721	.005950	.010764
5	NONFERROUS ORES MINING	.004369	.009899	.118662	.012906	.011043	.011929	.007009	.008554	.009329	.008970
6	CRUDE OIL & NATURAL GAS	.047601	.043010	.038443	.039499	.040052	.040435	.040466	.038029	.039411	.040945
7	OTHER MINING	.113300	.048637	.013608	.020792	.021086	.018146	.016531	.013442	.013898	.015737
8	CONSTRUCTION	.031245	.033669	.024210	.026261	.025919	.025733	.024767	.023267	.024048	.025920
9	ORDNANCE & ACCESSORIES	.001212	.001153	.001036	.001164	.001195	.001195	.001217	.001223	.001230	.001286
10	FOOD PRODUCTS & TOBACCO	.279042	.264099	.238446	.266963	.273315	.273904	.276808	.280134	.281682	.294521
11	TEXTILES & APPAREL	.142425	.122052	.111797	.122276	.127440	.124884	.128585	.128323	.132362	.136135
12	LUMBER & WOOD PRODUCTS	.036649	.033780	.037353	.033965	.037171	.031728	.034311	.035130	.045277	.045862
13	PAPER & PRODUCTS	.090407	.054158	.051976	.064419	.072552	.062873	.058627	.071491	.076854	.060029
14	PRINTING & PUBLISHING	.058418	.055590	.050491	.056933	.063415	.057500	.056178	.070496	.061166	.060165
15	CHEMICALS & PRODUCTS	.072948	.064793	.064651	.051638	.060214	.048033	.048458	.052261	.062105	.047744
16	OTHER CHEMICAL PRODUCTS	.037122	.034683	.051357	.045020	.043800	.036753	.037202	.039616	.039444	.040260
17	PETROLEUM REFINING	.091149	.081157	.071156	.076759	.077676	.080108	.080308	.075208	.077650	.080572
18	RUBBER & PLASTICS	.063393	.046677	.061096	.048706	.060147	.050121	.059381	.066050	.080201	.051163
19	LEATHER & PRODUCTS	.015912	.014927	.013921	.014921	.015386	.015653	.015800	.015676	.016043	.016558
20	GLASS & PRODUCTS	.007858	.007522	.006687	.012752	.008454	.008071	.006078	.009481	.020903	.010722
21	STONE & CLAY PRODUCTS	1.144081	.014099	.011361	.012126	.012942	.024070	.018389	.016834	.016478	.017665
22	PRIMARY IRON & STEEL	.061096	1.323586	.060083	.360153	.353920	.240503	.221222	.114893	.100469	.186054
23	PRIM. NONFERROUS METALS	.029971	.071654	1.653678	.159111	.133830	.151920	.084112	.110217	.118304	.113287
24	HTNG, PLMNG & STR. META	.005969	.006098	.004869	1.034801	.005226	.008034	.011208	.007725	.005281	.068186
25	OTHER FABRICATED METALS	.055247	.066051	.051601	.096446	1.097072	.089427	.073089	.096839	.086541	.082206
26	ENGINES & TURBINES	.004485	.003548	.003533	.003009	.003218	1.108271	.019478	.003455	.003728	.063421
27	MACHINERY & EQUIPMENTS	.043551	.066566	.053087	.061345	.060087	.123855	1.176515	.061601	.047176	.138193
28	OFFICE MACHINES	.004353	.004252	.003675	.007087	.004208	.004403	.004410	1.141992	.009909	.005832
29	OTHER ELECTRICAL EQUIP.	.054549	.064716	.049214	.065090	.054146	.100582	.088032	.208341	1.273097	.074962
30	SHIPBUILDING & REPAIR	.000479	.000562	.000235	.000311	.000314	.000276	.000269	.000234	.000242	1.010913
31	OTHER TRANSPORTATION EQ	.082207	.078230	.069280	.077605	.083129	.079252	.080753	.080949	.083296	.085244
32	INSTRUMENTS	.010593	.012230	.009185	.016278	.010977	.012826	.013614	.016012	.014059	.016634
33	MISC. MANUFACTURING	.025199	.021457	.020245	.021615	.021914	.022002	.022519	.025682	.023869	.023446
34	DEEPSEA FOREIGN TRANS.	.000219	.000209	.000186	.000208	.000213	.000213	.000217	.000216	.000219	.000229
35	DEEPSEA DOMESTIC TRANS.	.004479	.004119	.002583	.003181	.003290	.003011	.002989	.002752	.002867	.002912
36	GREAT LAKES TRANS.	.002755	.005469	.000543	.001796	.001727	.001293	.001210	.000760	.000788	.001043
37	RIVER & CANAL TRANS.	.004132	.004282	.002052	.002104	.002105	.001828	.001742	.001500	.001551	.001714
38	LOCAL WATER TRANS.	.000816	.000811	.000471	.000540	.000552	.000503	.000496	.000453	.000473	.000495
39	SERVICE TO WATER TRANS.	.001331	.001333	.000772	.000956	.000981	.000900	.000893	.000820	.000850	.000881
40	OTHER TRANS. & STORAGE	.247071	.171576	.123763	.153541	.145923	.131774	.132738	.131929	.129780	.134852
41	COMMUNICATIONS	.063937	.058992	.052717	.062528	.060818	.062458	.064018	.065375	.066510	.066377
42	UTILITIES	.153832	.146438	.138904	.122072	.124495	.116558	.115837	.110095	.115544	.121187
43	WHOLESALE & RETAIL TRAD	.455420	.442580	.425015	.452761	.445388	.470240	.464599	.477625	.464931	.488499
44	FINANCE, INSURANCE & R.	.500696	.460752	.423164	.468041	.471116	.465268	.487427	.499844	.487092	.495848
45	SERVICES	.431871	.417802	.363730	.415116	.417019	.417761	.424112	.432081	.438670	.436048
46	GOVERNMENT ENTERPRISES	.023755	.022560	.020382	.022693	.022673	.023248	.023453	.023958	.023961	.024395
47	NONCOMPETITIVE IMPORTS	.041142	.038971	.039943	.036646	.039550	.041139	.040714	.040002	.042892	.042236
48	DUMMY INDUSTRIES	.043853	.037813	.037653	.048054	.044718	.048781	.048267	.063196	.051556	.047507
49	HOUSEHOLD SECTOR	1.929827	1.843524	1.651046	1.841500	1.895167	1.893560	1.930979	1.907001	1.942227	2.048029
	COLUMN TOTAL	6.691195	6.538750	6.363820	6.644054	6.638509	6.707253	6.629290	6.745654	6.709855	6.921028
	WATER TRANSPORTATION	.012402	.014890	.005835	.007868	.007868	.006848	.006654	.005661	.005897	.006394
	MULTIPLIER	6.616933	6.712052	6.799446	6.774190	6.583745	6.732232	6.607114	6.762579	6.677870	6.682222

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1967

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.083083	.083914	.083798	.074673	.073018	.060805	.076519	.083539	.066438	.071798
2	OTHER FARM PRODUCTS	.066536	.068006	.068888	.059668	.058189	.048428	.060941	.066449	.052900	.056741
3	FOREST & FISH PRODUCTS	.012460	.012000	.014113	.010624	.010265	.008503	.010738	.011932	.009217	.009976
4	IRON ORES MINING	.010532	.004478	.005005	.004227	.003450	.002692	.003437	.003271	.002900	.002184
5	NONFERROUS ORES MINING	.007565	.008292	.008207	.004216	.003406	.002658	.003383	.003252	.002659	.001633
6	CRUDE OIL & NATURAL GAS	.038922	.038036	.039178	.054786	.047143	.037936	.047862	.046127	.040614	.050853
7	OTHER MINING	.015404	.013154	.013969	.011196	.009899	.007957	.010115	.011135	.008485	.008574
8	CONSTRUCTION	.024345	.023803	.023259	.035903	.031422	.022424	.033607	.081397	.015054	.017422
9	ORDNANCE & ACCESSORIES	.002485	.001191	.001166	.001062	.001039	.000865	.001089	.001189	.000946	.001017
10	FOOD PRODUCTS & TOBACCO	.269707	.272759	.271014	.242770	.237536	.197818	.248956	.271827	.216181	.234038
11	TEXTILES & APPAREL	.154182	.144916	.181001	.133127	.124106	.102120	.128461	.135163	.111427	.107369
12	LUMBER & WOOD PRODUCTS	.042782	.032694	.061437	.028233	.026674	.021747	.027851	.033401	.022953	.025238
13	PAPER & PRODUCTS	.062300	.078046	.133953	.053404	.049543	.040108	.051380	.054191	.043874	.047281
14	PRINTING & PUBLISHING	.058265	.058685	.057948	.052873	.049548	.040605	.051406	.054361	.044333	.048812
15	CHEMICALS & PRODUCTS	.053461	.082717	.070468	.040757	.037504	.030644	.038677	.040743	.033153	.036333
16	OTHER CHEMICAL PRODUCTS	.039661	.035458	.041128	.040084	.036651	.029906	.037750	.039377	.032509	.030450
17	PETROLEUM REFINING	.076946	.075450	.077943	.119445	.101579	.081412	.102736	.097542	.087069	.109497
18	RUBBER & PLASTICS	.076916	.076923	.132516	.045629	.041934	.034273	.043045	.045536	.036900	.043138
19	LEATHER & PRODUCTS	.015261	.015236	.021934	.013559	.013279	.011072	.013924	.015235	.012097	.012863
20	GLASS & PRODUCTS	.016214	.015252	.012451	.011217	.009812	.007728	.009798	.009850	.008552	.007066
21	STONE & CLAY PRODUCTS	.012716	.010499	.011238	.009706	.008435	.006656	.008810	.012830	.006335	.006289
22	PRIMARY IRON & STEEL	.181854	.074419	.084191	.072001	.058565	.045633	.058288	.055200	.049176	.036509
23	PRIM. NONFERROUS METALS	.093808	.101843	.106320	.052817	.042342	.032958	.041956	.040049	.035461	.018719
24	HTNG, PLMNG & STR. META	.007730	.005408	.004981	.010031	.008311	.006279	.008479	.012628	.005929	.004310
25	OTHER FABRICATED METALS	.142316	.079926	.071559	.073364	.060837	.047648	.061028	.057343	.052260	.035738
26	ENGINES & TURBINES	.010693	.002545	.002316	.008451	.006577	.005208	.006482	.005625	.005507	.003611
27	MACHINERY & EQUIPMENTS	.086142	.041681	.027007	.042213	.034237	.027197	.034241	.031502	.029277	.019916
28	OFFICE MACHINES	.013651	.004401	.004468	.004067	.003843	.003141	.004008	.004739	.003323	.003757
29	OTHER ELECTRICAL EQUIP.	.095282	.099269	.062625	.048389	.045447	.037659	.046951	.052044	.039985	.044822
30	SHIPBUILDING & REPAIR	.000259	.000225	.000282	.063949	.046740	.035023	.044722	.033232	.039026	.000230
31	OTHER TRANSPORTATION EQ	1.437118	.080469	.077507	.080969	.076588	.062745	.079461	.083701	.068744	.082220
32	INSTRUMENTS	.021332	1.078670	.010535	.014536	.012536	.009910	.012747	.012543	.010912	.008933
33	MISC. MANUFACTURING	.023001	.023423	1.102179	.021218	.020083	.016492	.020924	.022261	.017988	.018413
34	DEEPSEA FOREIGN TRANS.	.000211	.000211	.000211	1.000200	.000964	.000160	.000201	.000216	.000175	.000184
35	DEEPSEA DOMESTIC TRANS.	.002942	.002675	.003482	.003568	1.025069	.002481	.003132	.003052	.002659	.003230
36	GREAT LAKES TRANS.	.001092	.000612	.000743	.000556	.000479	1.001139	.000486	.000499	.000411	.000378
37	RIVER & CANAL TRANS.	.001660	.001509	.001923	.001486	.001318	.001066	1.212816	.001382	.001147	.001272
38	LOCAL WATER TRANS.	.000466	.000445	.000561	.052684	.087774	.000374	.092540	1.000474	.000402	.000472
39	SERVICE TO WATER TRANS.	.000872	.000796	.000984	.166484	.220219	.030951	.036889	.005954	1.012277	.000879
40	OTHER TRANS. & STORAGE	.142395	.117760	.133927	.182691	.153202	.133989	.156019	.126090	.099870	1.169891
41	COMMUNICATIONS	.062154	.064373	.061695	.060849	.055744	.045671	.057352	.059178	.049297	.056443
42	UTILITIES	.112784	.107884	.110217	.096224	.089641	.073927	.093236	.098342	.079967	.089793
43	WHOLESALE & RETAIL TRAD	.449779	.445183	.457195	.371825	.360871	.300196	.377765	.414603	.325436	.379001
44	FINANCE, INSURANCE & R.	.464760	.470321	.471288	.465881	.435388	.358943	.451658	.474157	.389721	.421919
45	SERVICES	.429988	.430625	.431741	.393290	.367144	.301580	.380321	.401901	.327582	.355388
46	GOVERNMENT ENTERPRISES	.023402	.023208	.024439	.027289	.024277	.019444	.024511	.024402	.021376	.021465
47	NONCOMPETITIVE IMPORTS	.040733	.039144	.063079	.176745	.137473	.106184	.134667	.111968	.117040	.040878
48	DUMMY INDUSTRIES	.045437	.052945	.048228	.040071	.035425	.028545	.036199	.036482	.030631	.033759
49	HOUSEHOLD SECTOR	1.867254	1.873507	1.845119	1.671672	1.648115	1.376932	1.730920	1.902242	1.505427	1.603546
	COLUMN TOTAL	6.896901	6.374989	6.539415	6.250651	6.033642	4.907830	6.218462	6.190152	5.176001	5.384247
	WATER TRANSPORTATION	.006392	.005453	.006920	1.058495	1.115605	1.005220	1.309174	1.005623	.004793	.005535
	MULTIPLIER	6.896949	6.386057	6.559368	5.735149	5.843296	5.342826	6.224466	5.931200	5.233030	6.095028

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1967

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	.071063	.065424	.073085	.061035	.083690	.112257	.000000	.151739	.097760
2	OTHER FARM PRODUCTS	.056317	.051840	.057920	.048422	.067533	.089244	.000000	.115350	.077315
3	FOREST & FISH PRODUCTS	.009760	.009263	.011051	.009521	.011862	.015481	.000000	.020482	.013199
4	IRON ORES MINING	.001548	.001894	.001551	.001377	.002275	.002498	.000000	.002450	.001864
5	NONFERROUS ORES MINING	.001562	.001617	.001408	.001286	.002060	.002300	.000000	.002316	.001698
6	CRUDE OIL & NATURAL GAS	.030573	.122898	.035035	.026227	.037858	.052871	.000000	.038965	.037828
7	OTHER MINING	.007458	.047881	.008129	.006738	.010283	.013935	.000000	.012362	.009032
8	CONSTRUCTION	.017304	.020451	.019015	.022280	.027357	.038304	.000000	.021559	.017993
9	ORDNANCE & ACCESSORIES	.001012	.000931	.001039	.000868	.001179	.001598	.000000	.002249	.001393
10	FOOD PRODUCTS & TOBACCO	.231687	.213203	.238126	.198763	.270951	.365621	.000000	.515557	.318565
11	TEXTILES & APPAREL	.103340	.097007	.107216	.088591	.124190	.168760	.000000	.113669	.143223
12	LUMBER & WOOD PRODUCTS	.023742	.022616	.026031	.021876	.029793	.038407	.000000	.035542	.031258
13	PAPER & PRODUCTS	.046441	.042002	.058999	.041264	.074002	.070298	.000000	.146003	.055494
14	PRINTING & PUBLISHING	.054174	.043744	.054112	.046265	.136515	.077763	.000000	.186036	.058322
15	CHEMICALS & PRODUCTS	.032236	.035220	.034370	.029444	.047332	.064787	.000000	.059092	.040860
16	OTHER CHEMICAL PRODUCTS	.030283	.026213	.030722	.028306	.046959	.050304	.000000	.038827	.038890
17	PETROLEUM REFINING	.060652	.071324	.069711	.052353	.074535	.105642	.000000	.079952	.076002
18	RUBBER & PLASTICS	.036465	.034380	.040198	.031151	.052304	.057428	.000000	.054217	.045549
19	LEATHER & PRODUCTS	.012965	.011897	.013320	.011097	.016711	.020714	.000000	.017315	.017878
20	GLASS & PRODUCTS	.006440	.005900	.007240	.005654	.008795	.010047	.000000	.010965	.008286
21	STONE & CLAY PRODUCTS	.006092	.009112	.006185	.006335	.009461	.010560	.000000	.008197	.006587
22	PRIMARY IRON & STEEL	.025518	.031426	.025480	.022667	.037530	.040655	.000000	.038821	.030692
23	PRIM. NONFERROUS METALS	.018453	.018573	.016221	.014950	.023862	.026038	.000000	.026628	.019602
24	HTNG, PLMNG & STR. META	.005250	.006692	.004094	.006892	.005275	.007871	.000000	.004579	.004265
25	OTHER FABRICATED METALS	.031060	.033175	.032591	.027152	.052406	.049141	.000000	.049138	.038562
26	ENGINES & TURBINES	.001743	.002359	.001793	.001487	.003014	.002916	.000000	.002565	.002188
27	MACHINERY & EQUIPMENTS	.015636	.019741	.016008	.013692	.027661	.025936	.000000	.026376	.018818
28	OFFICE MACHINES	.003812	.003382	.003682	.003157	.007286	.006040	.000000	.005162	.004518
29	OTHER ELECTRICAL EQUIP.	.056368	.042143	.040744	.036159	.056167	.063976	.000000	.058935	.052204
30	SHIPBUILDING & REPAIR	.000160	.000316	.000179	.000141	.000202	.000604	.000000	.000243	.000203
31	OTHER TRANSPORTATION EQ	.067146	.061904	.068853	.057289	.088829	.108611	.000000	.072598	.092305
32	INSTRUMENTS	.008903	.007685	.008843	.007385	.018044	.013128	.000000	.030011	.010422
33	MISC. MANUFACTURING	.018899	.016811	.019749	.016375	.029832	.028799	.000000	.054574	.024106
34	DEEPSEA FOREIGN TRANS.	.000184	.000173	.000203	.000166	.000218	.001986	.000000	.000184	.000246
35	DEEPSEA DOMESTIC TRANS.	.002008	.004067	.002262	.001738	.002513	.003498	.000000	.003066	.002524
36	GREAT LAKES TRANS.	.000309	.000832	.000328	.000274	.000425	.000531	.000000	.000551	.000384
37	RIVER & CANAL TRANS.	.000961	.002173	.001046	.000846	.001237	.001687	.000000	.001626	.001228
38	LOCAL WATER TRANS.	.000326	.000601	.000363	.000287	.000407	.000648	.000000	.000514	.000417
39	SERVICE TO WATER TRANS.	.000605	.001089	.000669	.000525	.000746	.001315	.000000	.000856	.000760
40	OTHER TRANS. & STORAGE	.084183	.099462	.094129	.073895	.106602	.227505	.000000	.367305	.104099
41	COMMUNICATIONS	1.063364	.046349	.059828	.047642	.091470	.074957	.000000	.057340	.059455
42	UTILITIES	.087926	1.347499	.099650	.073504	.111873	.146814	.000000	.094306	.103279
43	WHOLESALE & RETAIL TRAD	.353090	.330981	1.374316	.304990	.429239	.554818	.000000	.430878	.471894
44	FINANCE, INSURANCE & R.	.401876	.382389	.459049	1.437035	.499896	.632209	.000000	.414234	.504243
45	SERVICES	.404812	.315813	.399975	.324562	1.455865	.544423	.000000	.488479	.422029
46	GOVERNMENT ENTERPRISES	.022161	.020514	.030708	.023464	.029775	1.028638	.000000	.024295	.023064
47	NONCOMPETITIVE IMPORTS	.038524	.030660	.034096	.028737	.038575	.092046	1.000000	.039415	.044874
48	DUMMY INDUSTRIES	.041499	.032612	.043544	.034038	.054035	.047258	.000000	1.038843	.032103
49	HOUSEHOLD SECTOR	1.602096	1.486908	1.642355	1.377676	1.825447	2.566617	.000000	1.545083	2.262599
	COLUMN TOTAL	5.197967	5.283169	5.375250	4.675577	6.134076	7.667481	1.000000	6.509448	5.430098
	WATER TRANSPORTATION	.003789	.007846	.004202	.003311	.004800	.008350	.000000	.005941	.004798
	MULTIPLIER	5.201534	5.277097	5.401240	4.807983	6.158879	7.976786	.000000	7.229740	5.388280

TABLE 7. MARAD I-O TABLE OF U. S. ECONOMY; DIRECT LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	11.532	3.262	2.800	.000	.000	.000	.000	.000	.000	12.468
2	OTHER FARM PRODUCTS	17.779	2.002	.256	.000	.000	.000	.052	.000	.000	5.241
3	FOREST & FISH PRODUCTS	1.231	3.040	1.150	.000	.000	.018	.000	.110	.000	.267
4	IRON ORES MINING	.000	.000	.000	3.822	.000	.000	.000	.000	.000	.000
5	NONFERROUS ORES MINING	.000	.000	.000	.567	6.980	.000	.019	.000	.000	.000
6	CRUDE OIL & NATURAL GAS	.000	.000	.000	.000	.000	.557	.004	.000	.000	.000
7	OTHER MINING	.000	.001	.000	.187	.000	.000	3.830	.377	.009	.022
8	CONSTRUCTION	.159	.666	.011	1.226	.552	.158	.765	.035	.114	.122
9	ORDNANCE & ACCESSORIES	.000	.000	.000	.000	.000	.000	.000	.000	2.591	.000
10	FOOD PRODUCTS & TOBACCO	2.446	.000	.322	.000	.000	.000	.000	.000	.000	3.502
11	TEXTILES & APPAREL	.017	.161	1.360	.095	.000	.021	.165	.158	.136	.080
12	LUMBER & WOOD PRODUCTS	.004	.212	.187	.171	.463	.000	.195	3.115	.429	.068
13	PAPER & PRODUCTS	.018	.004	.972	.000	.000	.002	.129	.105	.268	.943
14	PRINTING & PUBLISHING	.009	.017	.000	.000	.000	.000	.000	.004	.006	.261
15	CHEMICALS & PRODUCTS	.058	1.963	.355	.566	.923	.207	.441	.043	.571	.087
16	OTHER CHEMICAL PRODUCTS	.030	.000	.013	.000	.000	.016	.000	.289	.002	.055
17	PETROLEUM REFINING	.038	.220	.077	.025	.027	.019	.104	.134	.017	.014
18	RUBBER & PLASTICS	.044	.221	.049	.474	.247	.093	.380	.268	.392	.339
19	LEATHER & PRODUCTS	.021	.000	.013	.000	.000	.000	.000	.000	.000	.000
20	GLASS & PRODUCTS	.009	.000	.000	.000	.000	.000	.000	.129	.014	.505
21	STONE & CLAY PRODUCTS	.003	.040	.000	.026	.078	.331	.099	3.212	.055	.000
22	PRIMARY IRON & STEEL	.000	.000	.000	1.213	1.074	.443	.572	.554	1.670	.004
23	PRIM. NONFERROUS METALS	.001	.000	.000	.072	.014	.000	.051	.551	.622	.001
24	MTNG, PLMNG & STR. META	.000	.000	.000	.000	.000	.159	.041	3.960	.000	.000
25	OTHER FABRICATED METALS	.096	.076	.578	.151	.274	.196	.431	.765	.940	.980
26	ENGINES & TURBINES	.000	.000	.035	.115	.226	.112	.200	.031	.015	.000
27	MACHINERY & EQUIPMENTS	.019	.503	.013	1.108	2.722	.751	1.296	.451	.885	.114
28	OFFICE MACHINES	.000	.000	.000	.000	.000	.000	.000	.290	.000	.000
29	OTHER ELECTRICAL EQUIP.	.020	.066	.020	.078	.030	.563	.116	1.175	1.304	.002
30	SHIPBUILDING & REPAIR	.000	.000	.030	.000	.000	.000	.000	.000	.000	.000
31	OTHER TRANSPORTATION EQ	.006	.013	.104	.133	.048	.000	.000	.002	1.263	.001
32	INSTRUMENTS	.000	.000	.000	.000	.000	.036	.000	.170	.283	.006
33	MISC. MANUFACTURING	.003	.004	.053	.000	.000	.002	.000	.111	.003	.005
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.000	.008	.018	.000	.014	.547	.204	.000	.001	.019
36	GREAT LAKES TRANS.	.000	.007	.000	1.448	.000	.000	.306	.000	.000	.003
37	RIVER & CANAL TRANS.	.000	.107	.088	.508	.137	.097	.614	.000	.000	.005
38	LOCAL WATER TRANS.	.000	.000	.166	.024	.000	.002	.006	.000	.000	.001
39	SERVICE TO WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
40	OTHER TRANS. & STORAGE	1.715	4.732	1.456	2.052	.832	2.326	19.319	1.425	.641	1.136
41	COMMUNICATIONS	.111	.112	.011	.082	.080	.040	.069	.157	.496	.130
42	UTILITIES	.057	.164	.012	.771	.564	.162	.531	.016	.098	.117
43	WHOLESALE & RETAIL TRAD	4.433	5.563	1.953	1.579	1.558	1.093	2.091	8.894	2.605	3.367
44	FINANCE, INSURANCE & R.	1.452	4.577	1.660	6.583	2.962	9.618	3.008	.761	.351	.584
45	SERVICES	.667	2.712	.155	3.030	1.030	1.040	1.835	3.027	1.765	2.080
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	41.765	30.621	13.717	25.570	20.834	18.626	36.102	30.388	17.767	32.648
50	LABOR OUTPUT RATIO	59.783	59.796	59.772	39.891	40.065	20.233	40.059	44.517	31.997	20.031
51	EMPLOYMENT MULTIPLIER	.699	.512	.229	.641	.520	.921	.901	.683	.555	1.630
	WATER TRANSPORTATION	.000	.122	.292	1.980	.151	.647	1.129	.000	.001	.027
	TOTAL EMPLOYMENT	1744.	1566.	252.	44.	49.	276.	246.	4080.	316.	1397.

TABLE 7, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.347	.000	.000	.000	.000	.048	.000	.000	.000	.000
2	OTHER FARM PRODUCTS	1.572	.000	.000	.000	.103	.235	.000	.000	.000	.000
3	FOREST & FISH PRODUCTS	.221	3.366	.000	.000	.036	.011	.000	.000	.000	.000
4	IRON ORES MINING	.000	.000	.000	.000	.091	.000	.000	.000	.000	.000
5	NONFERROUS ORES MINING	.000	.000	.000	.000	.134	.000	.000	.000	.000	.000
6	CRUDE OIL & NATURAL GAS	.000	.000	.000	.000	.047	.000	7.885	.000	.000	.000
7	OTHER MINING	.018	.010	.296	.000	1.419	.098	.090	.110	.013	.530
8	CONSTRUCTION	.068	.208	.312	.158	.342	.173	.528	.228	.065	.389
9	ORDNANCE & ACCESSORIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
10	FOOD PRODUCTS & TOBACCO	.014	.000	.112	.000	.079	.352	.020	.048	.004	.000
11	TEXTILES & APPAREL	22.234	1.293	.457	.241	.063	.036	.005	1.998	3.195	.058
12	LUMBER & WOOD PRODUCTS	.014	12.384	2.997	.000	.143	.022	.003	.065	.467	.507
13	PAPER & PRODUCTS	.245	.289	9.114	4.987	.417	1.062	.176	.944	.618	2.078
14	PRINTING & PUBLISHING	.010	.001	.014	5.808	.004	.089	.003	.000	.000	.000
15	CHEMICALS & PRODUCTS	.254	.197	.802	.418	4.652	2.374	.430	3.351	.262	.541
16	OTHER CHEMICAL PRODUCTS	.019	.167	.023	.014	.050	1.042	.053	.076	.190	.114
17	PETROLEUM REFINING	.007	.038	.040	.011	.564	.025	1.395	.005	.008	.012
18	RUBBER & PLASTICS	2.292	.721	.863	.205	.299	1.668	.062	5.324	2.387	.907
19	LEATHER & PRODUCTS	.114	.016	.002	.002	.002	.000	.001	.030	13.454	.000
20	GLASS & PRODUCTS	.074	.173	.000	.000	.015	.636	.000	.091	.000	3.239
21	STONE & CLAY PRODUCTS	.004	.263	.046	.000	.090	.075	.066	.029	.011	.576
22	PRIMARY IRON & STEEL	.000	.630	.046	.015	.127	.025	.008	.052	.000	.000
23	PRIM. NONFERROUS METALS	.000	.066	.014	.025	.260	.043	.024	.030	.000	.157
24	HTNG, PLMNG & STR. META	.000	.019	.000	.000	.000	.000	.000	.000	.000	.009
25	OTHER FABRICATED METALS	.028	1.301	.380	.051	.575	1.424	.129	.421	.640	.026
26	ENGINES & TURBINES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
27	MACHINERY & EQUIPMENTS	.160	.198	.338	.062	.644	.056	.128	.337	.199	.155
28	OFFICE MACHINES	.000	.005	.000	.000	.000	.000	.000	.000	.000	.000
29	OTHER ELECTRICAL EQUIP.	.005	.025	.007	.003	.046	.003	.017	.004	.031	.011
30	SHIPBUILDING & REPAIR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
31	OTHER TRANSPORTATION EQ	.000	.006	.000	.000	.000	.000	.000	.015	.000	.000
32	INSTRUMENTS	.026	.024	.013	.436	.016	.013	.030	.011	.031	.026
33	MISC. MANUFACTURING	.401	.033	.009	.073	.000	.003	.000	.144	.327	.082
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.003	.040	.004	.001	.045	.015	.531	.020	.023	.012
36	GREAT LAKES TRANS.	.000	.005	.011	.000	.001	.000	.006	.000	.000	.025
37	RIVER & CANAL TRANS.	.000	.034	.003	.000	.083	.000	.107	.001	.000	.000
38	LOCAL WATER TRANS.	.000	.018	.000	.000	.000	.000	.019	.000	.000	.000
39	SERVICE TO WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
40	OTHER TRANS. & STORAGE	.527	2.590	2.208	.635	2.771	1.165	1.809	1.619	.454	2.861
41	COMMUNICATIONS	.138	.153	.152	.497	.149	.191	.031	.195	.167	.154
42	UTILITIES	.128	.155	.329	.096	.597	.066	.263	.230	.101	.653
43	WHOLESALE & RETAIL TRAD	2.808	3.643	3.238	2.515	2.195	3.061	.907	3.324	4.353	2.764
44	FINANCE, INSURANCE & R.	.811	.885	.930	2.624	1.542	1.827	1.438	1.068	1.083	1.305
45	SERVICES	.839	1.228	1.385	2.516	1.687	8.294	1.343	1.878	1.424	1.736
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	33.400	30.224	24.196	21.392	19.266	24.131	17.510	21.669	29.508	18.929
50	LABOR OUTPUT RATIO	52.267	52.321	33.328	49.675	22.532	21.366	6.440	35.721	68.595	47.763
51	EMPLOYMENT MULTIPLIER	.639	.578	.726	.431	.856	1.129	2.719	.607	.430	.396
	WATER TRANSPORTATION	.003	.097	.018	.001	129	.015	.664	.021	.023	.037
	TOTAL EMPLOYMENT	2342.	1039.	684.	1071.	.59.	316.	191.	718.	351.	174.

TABLE 7, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
2	OTHER FARM PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
3	FOREST & FISH PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
4	IRON ORES MINING	.037	2.085	.004	.000	.000	.000	.000	.000	.001	.000
5	NONFERROUS ORES MINING	.048	.079	2.364	.000	.000	.000	.000	.000	.006	.000
6	CRUDE OIL & NATURAL GAS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
7	OTHER MINING	3.223	1.029	.035	.004	.023	.025	.008	.005	.008	.006
8	CONSTRUCTION	.421	.450	.166	.152	.149	.172	.152	.106	.142	.180
9	ORDNANCE & ACCESSORIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
10	FOOD PRODUCTS & TOBACCO	.011	.000	.009	.000	.000	.000	.000	.000	.000	.000
11	TEXTILES & APPAREL	.363	.039	.055	.045	.079	.031	.063	.056	.081	.077
12	LUMBER & WOOD PRODUCTS	.128	.125	.251	.099	.201	.000	.127	.081	.435	.525
13	PAPER & PRODUCTS	.732	.031	.055	.216	.384	.152	.055	.196	.353	.019
14	PRINTING & PUBLISHING	.011	.007	.033	.003	.283	.000	.002	.374	.046	.004
15	CHEMICALS & PRODUCTS	.385	.300	.212	.022	.146	.010	.015	.041	.159	.004
16	OTHER CHEMICAL PRODUCTS	.024	.008	.011	.208	.174	.028	.029	.063	.054	.040
17	PETROLEUM REFINING	.036	.024	.015	.017	.014	.033	.033	.010	.014	.016
18	RUBBER & PLASTICS	.411	.038	.403	.059	.403	.065	.363	.411	.817	.045
19	LEATHER & PRODUCTS	.017	.004	.021	.000	.004	.016	.011	.006	.014	.003
20	GLASS & PRODUCTS	.000	.000	.000	.218	.033	.000	.000	.000	.475	.092
21	STONE & CLAY PRODUCTS	5.201	.160	.091	.089	.133	.499	.323	.256	.253	.269
22	PRIMARY IRON & STEEL	.369	6.809	.227	7.868	7.453	3.952	3.749	1.141	.987	2.280
23	PRIM. NONFERROUS METALS	.043	.441	8.021	1.461	1.206	1.284	.540	.756	.924	.792
24	MTNG, PLMNG & STR. META	.000	.000	.000	1.168	.000	.090	.214	.093	.009	2.438
25	OTHER FABRICATED METALS	.443	.751	.356	1.757	1.848	1.409	.920	1.564	1.391	1.080
26	ENGINES & TURBINES	.025	.000	.000	.000	.006	2.968	.422	.012	.024	1.668
27	MACHINERY & EQUIPMENTS	.591	1.218	.834	.922	.949	3.161	5.555	1.093	.645	3.861
28	OFFICE MACHINES	.000	.000	.000	.086	.000	.000	.000	4.150	.139	.034
29	OTHER ELECTRICAL EQUIP.	.153	.477	.146	.442	.056	1.576	1.182	5.112	8.180	.559
30	SHIPBUILDING & REPAIR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.642
31	OTHER TRANSPORTATION EQ	.000	.000	.000	.000	.070	.000	.002	.014	.033	.000
32	INSTRUMENTS	.014	.092	.013	.270	.015	.092	.129	.294	.141	.245
33	MISC. MANUFACTURING	.128	.017	.040	.004	.003	.000	.010	.121	.047	.004
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.021	.027	.001	.006	.009	.003	.003	.002	.003	.000
36	GREAT LAKES TRANS.	.019	.005	.000	.000	.001	.001	.001	.000	.001	.000
37	RIVER & CANAL TRANS.	.011	.018	.003	.000	.000	.000	.000	.000	.000	.000
38	LOCAL WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
39	SERVICE TO WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
40	OTHER TRANS. & STORAGE	4.128	1.955	.814	1.386	1.045	.519	.688	.606	.566	.573
41	COMMUNICATIONS	.232	.136	.098	.271	.182	.216	.267	.271	.320	.248
42	UTILITIES	.599	.487	.407	.139	.174	.100	.122	.071	.123	.130
43	WHOLESALE & RETAIL TRAD	2.575	2.877	3.810	3.405	1.968	4.068	3.346	4.454	2.992	3.128
44	FINANCE, INSURANCE & R.	1.430	.411	.696	1.102	.877	.508	1.303	1.796	1.087	.523
45	SERVICES	1.604	1.605	.824	1.314	1.191	1.175	1.348	1.507	1.819	.929
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	23.458	21.706	20.017	22.732	19.079	22.152	20.979	24.682	22.290	20.414
50	LABOR OUTPUT RATIO	43.616	31.953	20.746	40.710	38.406	31.409	43.551	34.438	44.986	60.873
51	EMPLOYMENT MULTIPLIER	.538	.679	.965	.558	.497	.705	.482	.717	.495	.335
	WATER TRANSPORTATION	.051	.050	.003	.007	.010	.004	.004	.002	.004	.000
	TOTAL EMPLOYMENT	454.	916.	370.	486.	878.	105.	1520.	369.	1906.	145.

TABLE 7, MARAD I-O TABLE OF U. S. ECONOMY, DIRECT LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.005
2	OTHER FARM PRODUCTS	.000	.058	.073	.000	.000	.000	.000	.000	.000	.003
3	FOREST & FISH PRODUCTS	.000	.000	.017	.000	.000	.000	.000	.000	.000	.003
4	IRON ORES MINING	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
5	NONFERROUS ORES MINING	.000	.012	.000	.000	.000	.000	.000	.000	.000	.000
6	CRUDE OIL & NATURAL GAS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.010
7	OTHER MINING	.011	.013	.021	.026	.015	.015	.014	.015	.019	.014
8	CONSTRUCTION	.115	.165	.124	.636	.395	.387	.385	2.821	.012	.074
9	ORDNANCE & ACCESSORIES	.028	.000	.000	.000	.000	.000	.000	.000	.000	.000
10	FOOD PRODUCTS & TOBACCO	.000	.000	.038	.017	.011	.008	.010	.008	.012	.065
11	TEXTILES & APPAREL	.656	.588	1.451	.621	.380	.376	.364	.364	.423	.101
12	LUMBER & WOOD PRODUCTS	.346	.044	.974	.000	.000	.000	.000	.000	.000	.053
13	PAPER & PRODUCTS	.071	.471	1.679	.080	.050	.038	.051	.052	.052	.058
14	PRINTING & PUBLISHING	.004	.000	.000	.021	.009	.000	.008	.000	.010	.053
15	CHEMICALS & PRODUCTS	.021	.565	.115	.000	.000	.000	.000	.000	.000	.022
16	OTHER CHEMICAL PRODUCTS	.060	.008	.114	.146	.091	.089	.087	.083	.101	.024
17	PETROLEUM REFINING	.016	.008	.021	.234	.145	.141	.140	.137	.162	.242
18	RUBBER & PLASTICS	.603	.834	2.268	.093	.057	.054	.048	.055	.060	.212
19	LEATHER & PRODUCTS	.003	.000	.348	.000	.000	.000	.000	.000	.000	.000
20	GLASS & PRODUCTS	.262	.299	.163	.157	.099	.090	.089	.092	.110	.027
21	STONE & CLAY PRODUCTS	.093	.083	.113	.023	.012	.017	.015	.017	.015	.011
22	PRIMARY IRON & STEEL	1.927	.585	.932	.400	.250	.242	.238	.235	.276	.181
23	PRIM. NONFERROUS METALS	.471	.851	.940	.244	.151	.149	.144	.144	.168	.009
24	MTNG, PLMNG & STR. META	.074	.020	.009	.000	.000	.000	.000	.000	.000	.015
25	OTHER FABRICATED METALS	2.603	1.320	.998	1.105	.681	.654	.658	.638	.759	.128
26	ENGINES & TURBINES	.155	.000	.000	.053	.033	.036	.032	.036	.036	.044
27	MACHINERY & EQUIPMENTS	1.546	.564	.038	.448	.271	.280	.266	.252	.308	.100
28	OFFICE MACHINES	.207	.000	.008	.000	.000	.000	.000	.000	.000	.005
29	OTHER ELECTRICAL EQUIP.	1.153	1.774	.537	.081	.055	.068	.046	.087	.055	.164
30	SHIPBUILDING & REPAIR	.000	.000	.000	3.350	2.074	2.027	1.993	1.976	2.312	.000
31	OTHER TRANSPORTATION EQ	6.935	.038	.000	.167	.104	.090	.098	.091	.117	.282
32	INSTRUMENTS	.387	3.343	.019	.211	.128	.119	.124	.121	.141	.025
33	MISC. MANUFACTURING	.034	.056	3.869	.069	.044	.040	.044	.040	.046	.012
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.022	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.003	.000	.020	.000	.684	.000	.000	.000	.000	.000
36	GREAT LAKES TRANS.	.001	.000	.001	.000	.000	.019	.000	.000	.000	.000
37	RIVER & CANAL TRANS.	.000	.000	.009	.000	.000	.000	6.075	.000	.000	.000
38	LOCAL WATER TRANS.	.000	.000	.000	3.121	5.110	.000	4.548	.000	.000	.000
39	SERVICE TO WATER TRANS.	.000	.000	.000	10.634	13.777	1.946	1.888	.327	.742	.000
40	OTHER TRANS. & STORAGE	.938	.275	.790	3.828	2.593	2.791	2.300	1.124	.880	4.027
41	COMMUNICATIONS	.167	.347	.226	.371	.232	.228	.219	.217	.256	.409
42	UTILITIES	.082	.094	.097	.086	.051	.053	.053	.054	.057	.128
43	WHOLESALE & RETAIL TRAD	2.257	2.961	4.024	.000	.000	.000	.000	.000	.000	3.205
44	FINANCE, INSURANCE & R.	.591	1.192	1.238	2.611	1.610	1.599	1.567	1.532	1.799	1.975
45	SERVICES	1.583	2.324	2.293	2.113	1.309	1.263	1.257	1.250	1.457	1.719
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	23.402	18.934	23.568	30.948	30.445	12.817	22.763	11.768	10.384	13.403
50	LABOR OUTPUT RATIO	26.290	52.272	52.319	28.503	31.792	24.621	34.805	59.846	65.095	51.953
51	EMPLOYMENT MULTIPLIER	.890	.362	.451	1.086	.958	.521	.654	.197	.160	.258
	WATER TRANSPORTATION	.004	.000	.030	3.121	5.816	.019	10.623	.000	.000	.000
	TOTAL EMPLOYMENT	1769.	459.	432.	54.	34.	6.	20.	15.	113.	2615.

TABLE 7, MAKAD I-O TABLE OF U. S. ECONOMY; DIRECT LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.000	.000	.000	.000	.028	.000	.000	.134
2	OTHER FARM PRODUCTS	.002	.002	.004	.007	.094	.016	.000	.522
3	FOREST & FISH PRODUCTS	.000	.009	.051	.056	.010	.000	.000	.227
4	IRON ORES MINING	.000	.000	.000	.000	.000	.000	.000	.003
5	NONFERROUS ORES MINING	.000	.000	.000	.000	.000	.000	.000	.000
6	CRUDE OIL & NATURAL GAS	.000	1.375	.000	.000	.000	.000	.000	.000
7	OTHER MINING	.000	1.162	.000	.004	.004	.042	.000	.051
8	CONSTRUCTION	.108	.213	.139	.392	.386	.687	.000	.007
9	ORDNANCE & ACCESSORIES	.000	.000	.000	.000	.000	.000	.000	.037
10	FOOD PRODUCTS & TOBACCO	.000	.000	.004	.000	.068	.000	.000	4.548
11	TEXTILES & APPAREL	.012	.027	.036	.000	.112	.126	.000	.110
12	LUMBER & WOOD PRODUCTS	.007	.009	.040	.038	.004	.015	.000	.074
13	PAPER & PRODUCTS	.032	.028	.306	.057	.084	.038	.000	1.324
14	PRINTING & PUBLISHING	.091	.023	.067	.139	3.344	.208	.000	5.517
15	CHEMICALS & PRODUCTS	.001	.042	.002	.024	.046	.249	.000	.060
16	OTHER CHEMICAL PRODUCTS	.016	.021	.009	.058	.256	.068	.000	.134
17	PETROLEUM REFINING	.020	.064	.054	.015	.033	.049	.000	.002
18	RUBBER & PLASTICS	.040	.031	.123	.032	.237	.058	.000	.075
19	LEATHER & PRODUCTS	.000	.000	.003	.000	.101	.013	.000	.237
20	GLASS & PRODUCTS	.001	.003	.037	.009	.046	.006	.000	.019
21	STONE & CLAY PRODUCTS	.017	.079	.010	.033	.073	.035	.000	.036
22	PRIMARY IRON & STEEL	.001	.049	.000	.004	.002	.000	.000	.015
23	PRIM. NONFERROUS METALS	.019	.020	.000	.007	.001	.003	.000	.011
24	HTNG, PLMNG & STR. META	.061	.073	.000	.108	.000	.034	.000	.006
25	OTHER FABRICATED METALS	.004	.113	.050	.029	.499	.047	.000	.071
26	ENGINES & TURBINES	.000	.000	.000	.000	.022	.000	.000	.001
27	MACHINERY & EQUIPMENTS	.002	.055	.007	.016	.281	.061	.000	.132
28	OFFICE MACHINES	.004	.003	.000	.001	.089	.014	.000	.034
29	OTHER ELECTRICAL EQUIP.	.625	.124	.013	.080	.315	.064	.000	.570
30	SHIPBUILDING & REPAIR	.000	.000	.000	.000	.000	.013	.000	.000
31	OTHER TRANSPORTATION EQ	.004	.003	.006	.000	.239	.027	.000	.043
32	INSTRUMENTS	.007	.001	.000	.002	.347	.013	.000	.942
33	MISC. MANUFACTURING	.009	.004	.029	.023	.387	.015	.000	1.699
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.049	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.000	.000	.000	.000	.000	.001	.000	.007
36	GREAT LAKES TRANS.	.000	.000	.000	.000	.000	.000	.000	.000
37	RIVER & CANAL TRANS.	.000	.000	.000	.000	.000	.001	.000	.000
38	LOCAL WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000
39	SERVICE TO WATER TRANS.	.000	.000	.000	.000	.000	.000	.000	.000
40	OTHER TRANS. & STORAGE	.061	.049	.320	.086	.129	4.744	.000	12.170
41	COMMUNICATIONS	.688	.142	.488	.308	1.513	.114	.000	.001
42	UTILITIES	.135	3.715	.260	.086	.258	.323	.000	.017
43	WHOLESALE & RETAIL TRAD	.996	.883	2.164	.925	2.912	.701	.000	5.370
44	FINANCE, INSURANCE & R.	1.452	.685	3.608	5.571	3.048	1.983	.000	.007
45	SERVICES	4.472	.842	3.668	2.479	3.927	2.307	.000	6.350
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	8.889	9.847	11.494	10.591	18.897	12.146	.000	40.564
50	LABOR OUTPUT RATIO	43.118	17.352	99.392	52.178	52.172	.000	.000	.000
51	EMPLOYMENT MULTIPLIER	.206	.567	.116	.203	.362	.000	.000	.000
	WATER TRANSPORTATION	.000	.000	.000	.000	.000	.051	.000	.008
	TOTAL EMPLOYMENT	967.	643.	16165.	8321.	7801.	0.	0.	0.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	79.113	4.760	4.254	.108	.122	.087	.148	.171	.173	20.732
2	OTHER FARM PRODUCTS	24.718	63.506	1.826	.106	.105	.074	.138	.202	.151	13.159
3	FOREST & FISH PRODUCTS	3.049	3.461	61.222	.070	.091	.054	.069	.436	.090	1.523
4	IRON ORES MINING	.032	.041	.024	43.688	.165	.072	.115	.186	.240	.047
5	NONFERROUS ORES MINING	.031	.046	.017	.821	48.585	.029	.074	.218	.227	.035
6	CRUDE OIL & NATURAL GAS	.402	.636	.210	.291	.265	20.938	.541	.353	.160	.280
7	OTHER MINING	.283	.524	.089	.479	.323	.139	44.056	.902	.273	.264
8	CONSTRUCTION	1.087	.961	.162	1.644	.885	.353	.672	44.859	.340	.654
9	ORDNANCE & ACCESSORIES	.001	.001	.001	.001	.001	.001	.001	.001	34.819	.001
10	FOOD PRODUCTS & TOBACCO	4.141	.366	.717	.112	.133	.094	.155	.152	.188	25.607
11	TEXTILES & APPAREL	.480	.640	2.588	.468	.201	.155	.825	.766	.586	.566
12	LUMBER & WOOD PRODUCTS	.387	.524	.475	.526	.930	.113	.506	4.342	.886	.558
13	PAPER & PRODUCTS	.656	.429	1.583	.292	.260	.191	.521	.682	.743	2.094
14	PRINTING & PUBLISHING	.521	.517	.222	.544	.367	.322	.507	.592	.500	.946
15	CHEMICALS & PRODUCTS	1.326	2.845	.439	1.031	1.590	.376	.862	.450	1.061	.993
16	OTHER CHEMICAL PRODUCTS	.127	.075	.048	.083	.054	.064	.077	.408	.063	.155
17	PETROLEUM REFINING	.290	.469	.156	.143	.136	.079	.354	.252	.098	.189
18	RUBBER & PLASTICS	.478	.545	.354	.848	.560	.250	.832	.802	.848	.868
19	LEATHER & PRODUCTS	.054	.024	.035	.023	.018	.013	.023	.032	.026	.032
20	GLASS & PRODUCTS	.157	.044	.040	.048	.031	.031	.053	.240	.090	.728
21	STONE & CLAY PRODUCTS	.166	.200	.048	.259	.282	.467	.271	3.804	.198	.131
22	PRIMARY IRON & STEEL	.359	.391	.304	2.322	2.492	.978	1.563	2.523	3.298	.590
23	PRIM. NONFERROUS METALS	.138	.169	.092	.394	.318	.156	.335	1.439	1.485	.181
24	HTNG, PLMNG & STR. META	.124	.121	.029	.201	.125	.239	.155	4.132	.056	.080
25	OTHER FABRICATED METALS	.645	.455	.808	.615	.736	.433	.915	1.544	1.670	1.636
26	ENGINES & TURBINES	.022	.031	.049	.187	.357	.149	.301	.068	.060	.019
27	MACHINERY & EQUIPMENTS	.517	.922	.193	1.853	4.141	1.084	2.028	1.156	1.694	.565
28	OFFICE MACHINES	.020	.021	.007	.029	.016	.013	.022	.362	.036	.019
29	OTHER ELECTRICAL EQUIP.	.256	.315	.119	.437	.385	.881	.519	1.822	2.103	.208
30	SHIPBUILDING & REPAIR	.011	.020	.018	.185	.019	.060	.108	.008	.005	.010
31	OTHER TRANSPORTATION EQ	.102	.117	.179	.279	.121	.048	.220	.080	1.919	.087
32	INSTRUMENTS	.069	.078	.039	.106	.080	.096	.101	.311	.451	.089
33	MISC. MANUFACTURING	.086	.093	.126	.101	.077	.064	.099	.245	.113	.104
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.001	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.050	.077	.042	.029	.045	.589	.279	.047	.023	.057
36	GREAT LAKES TRANS.	.008	.014	.003	1.592	.010	.004	.343	.017	.012	.011
37	RIVER & CANAL TRANS.	.081	.181	.122	.698	.224	.130	.836	.038	.021	.055
38	LOCAL WATER TRANS.	.029	.049	.214	.123	.038	.115	.162	.016	.008	.023
39	SERVICE TO WATER TRANS.	.027	.045	.027	.179	.033	.266	.197	.024	.012	.029
40	OTHER TRANS. & STORAGE	5.877	7.082	2.638	3.915	2.376	3.316	24.174	3.878	2.245	4.497
41	COMMUNICATIONS	.541	.495	.163	.467	.347	.278	.560	.567	.825	.567
42	UTILITIES	.410	.473	.147	1.328	1.099	.376	1.029	.412	.415	.483
43	WHOLESALE & RETAIL TRAD	10.848	8.618	3.714	4.065	3.924	2.457	5.592	12.254	5.476	9.111
44	FINANCE, INSURANCE & R.	6.145	7.668	2.969	9.712	5.275	11.904	6.221	3.152	1.820	4.179
45	SERVICES	4.365	5.126	1.301	5.520	2.897	2.557	4.609	5.665	3.789	5.398
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	148.226	113.177	87.834	85.922	80.259	50.099	101.169	99.630	69.296	97.560
50	LABOR OUTPUT RATIO	59.783	59.796	59.772	39.891	40.065	20.233	40.059	44.517	31.997	20.031
51	EMPLOYMENT MULTIPLIER	2.479	1.893	1.469	2.154	2.003	2.476	2.526	2.238	2.166	4.870
	WATER TRANSPORTATION	.169	.444	.673	4.422	.468	1.486	2.749	.118	.066	.173
	TOTAL EMPLOYMENT	1744.	1566.	252.	44.	49.	276.	246.	4080.	316.	1897.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	1.162	.454	.303	.185	.234	.673	.118	.264	.211	.125
2	OTHER FARM PRODUCTS	3.291	.331	.254	.167	.308	.720	.101	.330	.362	.113
3	FOREST & FISH PRODUCTS	.627	4.600	.416	.105	.123	.129	.054	.102	.141	.108
4	IRON ORES MINING	.024	.129	.052	.023	.187	.069	.056	.062	.036	.026
5	NONFERROUS ORES MINING	.028	.063	.043	.030	.312	.076	.041	.080	.031	.063
6	CRUDE OIL & NATURAL GAS	.184	.229	.306	.154	1.415	.308	10.545	.355	.138	.234
7	OTHER MINING	.232	.237	.692	.208	2.169	.501	.329	.626	.187	.908
8	CONSTRUCTION	.366	.470	.636	.412	.726	.504	.969	.527	.267	.609
9	ORDNANCE & ACCESSORIES	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
10	FOOD PRODUCTS & TOBACCO	.214	.169	.314	.198	.255	.697	.131	.251	.143	.132
11	TEXTILES & APPAREL	91.643	3.413	1.627	.873	.390	.533	.206	4.337	7.496	.487
12	LUMBER & WOOD PRODUCTS	.285	68.801	5.578	1.034	.510	.445	.219	.513	1.039	1.225
13	PAPER & PRODUCTS	1.043	.971	46.253	8.059	1.029	2.170	.546	1.957	1.517	3.361
14	PRINTING & PUBLISHING	.386	.391	.420	56.788	.458	1.172	.417	.482	.396	.382
15	CHEMICALS & PRODUCTS	1.379	.719	1.745	1.011	28.748	3.663	.974	5.230	1.100	1.113
16	OTHER CHEMICAL PRODUCTS	.089	.313	.108	.077	.132	22.573	.141	.160	.307	.180
17	PETROLEUM REFINING	.111	.148	.187	.095	.994	.207	8.326	.226	.083	.111
18	RUBBER & PLASTICS	4.944	1.514	1.749	.712	.717	2.442	.339	42.509	4.106	1.449
19	LEATHER & PRODUCTS	.274	.055	.027	.028	.024	.044	.018	.077	85.376	.020
20	GLASS & PRODUCTS	.180	.268	.058	.034	.059	.778	.039	.158	.057	51.273
21	STONE & CLAY PRODUCTS	.087	.492	.211	.089	.289	.226	.423	.162	.090	.808
22	PRIMARY IRON & STEEL	.245	1.758	.615	.262	.852	.734	.724	.550	.434	.283
23	PRIM. NONFERROUS METALS	.120	.362	.200	.154	.714	.330	.221	.283	.150	.380
24	HTNG, PLMNG & STR. META	.049	.065	.081	.056	.107	.067	.208	.070	.039	.085
25	OTHER FABRICATED METALS	.323	2.105	.954	.371	1.091	2.021	.561	.897	1.116	.319
26	ENGINES & TURBINES	.014	.022	.023	.012	.049	.022	.089	.023	.013	.020
27	MACHINERY & EQUIPMENTS	.567	.625	.829	.342	1.357	.525	.876	.862	.544	.458
28	OFFICE MACHINES	.011	.021	.015	.015	.018	.030	.020	.016	.011	.014
29	OTHER ELECTRICAL EQUIP.	.154	.224	.191	.174	.340	.250	.582	.199	.178	.172
30	SHIPBUILDING & REPAIR	.004	.015	.009	.004	.033	.008	.105	.010	.006	.009
31	OTHER TRANSPORTATION EQ	.047	.089	.068	.052	.081	.107	.071	.086	.044	.063
32	INSTRUMENTS	.105	.099	.084	.604	.101	.156	.131	.093	.104	.090
33	MISC. MANUFACTURING	.846	.155	.105	.195	.084	.176	.075	.305	.587	.175
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.001	.000	.000	.001	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.028	.080	.044	.020	.196	.057	.999	.069	.048	.039
36	GREAT LAKES TRANS.	.004	.014	.024	.006	.026	.008	.013	.009	.004	.037
37	RIVER & CANAL TRANS.	.024	.079	.038	.014	.204	.036	.243	.047	.014	.029
38	LOCAL WATER TRANS.	.010	.062	.016	.006	.063	.015	.218	.019	.011	.011
39	SERVICE TO WATER TRANS.	.014	.041	.023	.010	.099	.028	.454	.034	.022	.022
40	OTHER TRANS. & STORAGE	2.441	4.957	4.904	2.337	6.204	3.352	4.797	4.021	1.835	4.881
41	COMMUNICATIONS	.495	.475	.498	.868	.497	.736	.352	.545	.480	.427
42	UTILITIES	.496	.488	.816	.395	1.243	.475	.723	.707	.383	1.118
43	WHOLESALE & RETAIL TRAD	7.134	7.037	6.773	5.102	5.079	6.214	3.432	6.409	7.657	4.993
44	FINANCE, INSURANCE & R.	3.177	2.899	3.123	4.707	4.622	4.438	8.780	3.276	2.920	2.965
45	SERVICES	3.241	3.383	3.713	4.738	4.187	11.483	3.964	4.287	3.573	3.502
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	126.120	108.865	84.127	90.725	66.328	69.202	51.635	81.226	123.258	82.818
50	LABOR OUTPUT RATIO	52.267	52.321	33.328	49.675	22.532	21.366	6.440	35.721	68.595	47.763
51	EMPLOYMENT MULTIPLIER	2.413	2.081	2.524	1.826	2.944	3.239	8.018	2.274	1.797	1.734
	WATER TRANSPORTATION	.068	.332	.140	.048	.618	.132	2.137	.165	.101	.154
	TOTAL EMPLOYMENT	2342.	1039.	684.	1071.	469.	316.	191.	718.	351.	174.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY: TOTAL LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.142	.086	.111	.140	.120	.131	.126	.208	.153	.115
2	OTHER FARM PRODUCTS	.159	.079	.097	.119	.106	.109	.108	.171	.132	.098
3	FOREST & FISH PRODUCTS	.067	.051	.076	.057	.063	.045	.052	.068	.093	.084
4	IRON ORES MINING	.122	2.957	.097	.811	.750	.491	.446	.205	.174	.362
5	NONFERROUS ORES MINING	.117	.341	4.705	.462	.365	.421	.223	.285	.315	.298
6	CRUDE OIL & NATURAL GAS	.310	.247	.219	.176	.169	.178	.166	.124	.140	.136
7	OTHER MINING	4.230	1.654	.281	.538	.542	.424	.353	.234	.246	.303
8	CONSTRUCTION	.708	.846	.493	.517	.483	.475	.419	.362	.383	.429
9	ORDNANCE & ACCESSORIES	.001	.001	.001	.001	.001	.001	.001	.002	.001	.001
10	FOOD PRODUCTS & TOBACCO	.147	.091	.120	.154	.130	.146	.139	.233	.165	.124
11	TEXTILES & APPAREL	1.059	.280	.381	.298	.391	.262	.332	.398	.492	.339
12	LUMBER & WOOD PRODUCTS	.523	.435	.761	.446	.575	.291	.399	.460	.965	.919
13	PAPER & PRODUCTS	1.436	.298	.353	.642	.869	.548	.375	.824	.974	.327
14	PRINTING & PUBLISHING	.431	.401	.394	.470	.723	.432	.418	1.060	.552	.366
15	CHEMICALS & PRODUCTS	.858	.710	.785	.414	.586	.312	.306	.402	.609	.242
16	OTHER CHEMICAL PRODUCTS	.084	.064	.064	.286	.240	.090	.086	.146	.130	.108
17	PETROLEUM REFINING	.170	.124	.101	.096	.090	.106	.099	.072	.080	.076
18	RUBBER & PLASTICS	.877	.342	.995	.416	.786	.429	.733	.988	1.468	.355
19	LEATHER & PRODUCTS	.046	.025	.060	.025	.028	.047	.037	.042	.048	.026
20	GLASS & PRODUCTS	.037	.037	.031	.287	.072	.054	.048	.119	.659	.154
21	STONE & CLAY PRODUCTS	49.655	.381	.286	.295	.324	.809	.557	.492	.472	.510
22	PRIMARY IRON & STEEL	1.116	41.494	1.204	11.349	10.487	6.864	6.232	2.845	2.368	5.057
23	PRIM. NONFERROUS METALS	.275	1.155	34.010	2.970	2.436	2.811	1.398	1.944	2.105	1.982
24	HTNG, PLMNG & STR. META	.096	.107	.072	41.986	.067	.182	.308	.168	.066	2.619
25	OTHER FABRICATED METALS	.859	1.330	.901	2.499	40.894	2.195	1.543	2.471	2.129	1.817
26	ENGINES & TURBINES	.082	.055	.061	.039	.044	34.752	.553	.051	.058	1.930
27	MACHINERY & EQUIPMENTS	1.198	2.231	2.149	2.005	1.930	4.708	50.538	1.992	1.351	5.277
28	OFFICE MACHINES	.017	.020	.013	.117	.015	.021	.019	39.196	.208	.060
29	OTHER ELECTRICAL EQUIP.	.451	.998	.500	1.017	.469	2.559	1.956	7.393	55.255	1.246
30	SHIPBUILDING & REPAIR	.019	.024	.005	.009	.009	.006	.006	.004	.004	61.526
31	OTHER TRANSPORTATION EQ.	.091	.079	.051	.065	.153	.053	.052	.083	.107	.045
32	INSTRUMENTS	.089	.195	.083	.407	.117	.215	.247	.482	.267	.376
33	MISC. MANUFACTURING	.243	.095	.139	.104	.090	.096	.102	.281	.166	.085
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.074	.066	.024	.036	.037	.029	.027	.020	.022	.020
36	GREAT LAKES TRANS.	.060	.127	.006	.037	.035	.024	.022	.011	.011	.017
37	RIVER & CANAL TRANS.	.107	.114	.040	.038	.037	.028	.024	.016	.017	.021
38	LOCAL WATER TRANS.	.028	.028	.010	.012	.012	.009	.008	.006	.007	.007
39	SERVICE TO WATER TRANS.	.043	.045	.013	.021	.021	.016	.015	.011	.012	.011
40	OTHER TRANS. & STORAGE	8.223	4.507	2.483	3.575	3.051	2.320	2.281	2.296	2.100	2.111
41	COMMUNICATIONS	.570	.455	.402	.610	.475	.548	.572	.658	.667	.542
42	UTILITIES	1.141	1.081	1.103	.660	.659	.523	.481	.400	.467	.481
43	WHOLESALE & RETAIL TRAD	5.261	5.774	8.018	6.828	4.982	7.486	6.149	7.941	5.949	6.098
44	FINANCE, INSURANCE & R.	3.685	2.604	2.881	3.008	2.544	2.258	2.979	3.905	2.831	2.057
45	SERVICES	3.752	3.858	2.910	3.737	3.314	3.369	3.336	3.985	3.986	2.819
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	88.643	75.890	67.519	87.778	79.312	76.874	84.270	83.052	88.404	101.575
50	LABOR OUTPUT RATIO	43.616	31.953	20.746	40.710	38.406	31.409	43.551	34.438	44.986	60.873
51	EMPLOYMENT MULTIPLIER	2.032	2.375	3.255	2.156	2.065	2.448	1.935	2.412	1.965	1.669
	WATER TRANSPORTATION	.320	.366	.084	.130	.132	.093	.085	.055	.062	.065
	TOTAL EMPLOYMENT	454.	916.	370.	486.	878.	105.	1520.	369.	1906.	145.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.144	.177	.244	.146	.108	.078	.103	.081	.083	.150
2	OTHER FARM PRODUCTS	.163	.238	.349	.152	.112	.082	.107	.087	.087	.116
3	FOREST & FISH PRODUCTS	.094	.064	.200	.052	.039	.028	.038	.050	.026	.037
4	IRON ORES MINING	.359	.117	.139	.114	.083	.062	.080	.068	.066	.034
5	NONFERROUS ORES MINING	.248	.276	.273	.119	.067	.065	.083	.073	.069	.017
6	CRUDE OIL & NATURAL GAS	.156	.136	.169	.543	.396	.302	.383	.290	.312	.486
7	OTHER MINING	.318	.227	.265	.181	.133	.099	.128	.142	.099	.087
8	CONSTRUCTION	.423	.396	.362	1.006	.815	.511	.883	2.950	.137	.208
9	ORDNANCE & ACCESSORIES	.043	.001	.001	.001	.001	.001	.001	.001	.001	.001
10	FOOD PRODUCTS & TOBACCO	.136	.160	.225	.148	.110	.079	.105	.080	.085	.166
11	TEXTILES & APPAREL	1.881	1.376	3.356	1.427	1.034	.782	.988	.771	.843	.306
12	LUMBER & WOOD PRODUCTS	.889	.356	1.881	.269	.204	.143	.206	.373	.113	.161
13	PAPER & PRODUCTS	.550	1.070	2.956	.413	.304	.211	.297	.251	.232	.265
14	PRINTING & PUBLISHING	.503	.516	.516	.486	.351	.254	.337	.265	.275	.371
15	CHEMICALS & PRODUCTS	.445	1.101	.837	.238	.174	.130	.167	.144	.134	.166
16	OTHER CHEMICAL PRODUCTS	.162	.070	.201	.243	.178	.133	.171	.143	.142	.062
17	PETROLEUM REFINING	.092	.081	.103	.408	.298	.226	.287	.217	.235	.358
18	RUBBER & PLASTICS	1.405	1.401	3.407	.428	.313	.234	.293	.259	.236	.388
19	LEATHER & PRODUCTS	.035	.030	.505	.024	.018	.013	.017	.014	.014	.013
20	GLASS & PRODUCTS	.448	.401	.272	.243	.180	.128	.165	.138	.145	.057
21	STONE & CLAY PRODUCTS	.318	.220	.256	.211	.159	.115	.164	.318	.085	.071
22	PRIMARY IRON & STEEL	5.001	1.566	1.890	1.576	1.157	.861	1.112	.939	.919	.472
23	PRIM. NONFERROUS METALS	1.611	1.776	1.874	.795	.582	.436	.559	.489	.465	.100
24	HTNG, PLMNG & STR. META	.171	.076	.061	.280	.212	.150	.212	.368	.126	.052
25	OTHER FABRICATED METALS	4.244	1.843	1.541	1.723	1.258	.929	1.211	.957	1.022	.323
26	ENGINES & TURBINES	.279	.023	.017	.215	.157	.122	.151	.119	.127	.065
27	MACHINERY & EQUIPMENTS	3.075	1.137	.508	1.233	.894	.686	.864	.683	.730	.287
28	OFFICE MACHINES	.342	.023	.027	.025	.019	.013	.019	.032	.011	.019
29	OTHER ELECTRICAL EQUIP.	2.348	2.521	.902	.442	.334	.265	.316	.367	.236	.352
30	SHIPBUILDING & REPAIR	.006	.003	.007	3.884	2.836	2.124	2.713	2.013	2.367	.005
31	OTHER TRANSPORTATION EQ	35.779	.106	.059	.336	.246	.173	.233	.160	.193	.442
32	INSTRUMENTS	.665	55.933	.106	.357	.258	.186	.250	.198	.208	.081
33	MISC. MANUFACTURING	.163	.181	56.637	.178	.132	.095	.130	.104	.102	.070
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	28.504	.022	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.027	.019	.045	.054	32.531	.030	.038	.030	.031	.046
36	GREAT LAKES TRANS.	.019	.007	.011	.007	.005	24.644	.005	.004	.004	.003
37	RIVER & CANAL TRANS.	.023	.017	.032	.020	.015	.011	42.179	.012	.011	.014
38	LOCAL WATER TRANS.	.009	.006	.013	3.134	5.235	.007	5.519	59.853	.007	.011
39	SERVICE TO WATER TRANS.	.015	.010	.023	10.800	14.298	1.984	2.362	.345	65.860	.021
40	OTHER TRANS. & STORAGE	2.935	1.640	2.548	5.496	4.020	3.670	3.968	2.004	1.590	56.946
41	COMMUNICATIONS	.564	.653	.570	.730	.536	.409	.512	.396	.420	.617
42	UTILITIES	.478	.368	.451	.346	.250	.192	.247	.200	.195	.288
43	WHOLESALE & RETAIL TRAD	5.997	5.411	7.193	2.304	1.703	1.294	1.666	1.776	1.139	4.429
44	FINANCE, INSURANCE & R.	2.537	2.755	3.135	4.870	3.553	2.717	3.438	2.621	2.829	3.368
45	SERVICES	4.262	4.235	4.569	4.251	3.116	2.335	2.998	2.457	2.441	2.937
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	79.360	88.763	98.754	78.412	78.466	47.012	75.708	82.838	84.454	74.469
50	LABOR OUTPUT RATIO	26.290	52.272	52.319	28.503	31.792	24.621	34.805	59.846	65.095	51.953
51	EMPLOYMENT MULTIPLIER	3.019	1.698	1.888	2.751	2.468	1.909	2.175	1.384	1.297	1.433
	WATER TRANSPORTATION	.082	.050	.132	34.841	43.624	24.711	58.365	59.899	.054	.073
	TOTAL EMPLOYMENT	1769.	459.	432.	54.	34.	6.	20.	15.	113.	2615.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.110	.071	.127	.090	.288	.081	.000	5.080
2	OTHER FARM PRODUCTS	.094	.062	.108	.080	.308	.092	.000	3.740
3	FOREST & FISH PRODUCTS	.025	.035	.088	.089	.073	.030	.000	.686
4	IRON ORES MINING	.009	.027	.008	.010	.031	.015	.000	.047
5	NONFERROUS ORES MINING	.014	.020	.007	.010	.028	.015	.000	.046
6	CRUDE OIL & NATURAL GAS	.077	1.984	.153	.065	.148	.202	.000	.266
7	OTHER MINING	.043	1.680	.063	.050	.120	.148	.000	.248
8	CONSTRUCTION	.203	.384	.265	.504	.572	.797	.000	.413
9	ORDNANCE & ACCESSORIES	.001	.001	.001	.001	.002	.001	.000	.042
10	FOOD PRODUCTS & TOBACCO	.123	.077	.138	.096	.279	.085	.000	5.969
11	TEXTILES & APPAREL	.101	.151	.170	.072	.452	.329	.000	.829
12	LUMBER & WOOD PRODUCTS	.084	.109	.175	.149	.239	.154	.000	.743
13	PAPER & PRODUCTS	.238	.184	.624	.249	.974	.245	.000	3.603
14	PRINTING & PUBLISHING	.640	.269	.585	.534	4.444	.576	.000	7.263
15	CHEMICALS & PRODUCTS	.074	.189	.106	.103	.324	.415	.000	.703
16	OTHER CHEMICAL PRODUCTS	.059	.057	.053	.099	.333	.132	.000	.262
17	PETROLEUM REFINING	.044	.138	.094	.039	.085	.125	.000	.181
18	RUBBER & PLASTICS	.151	.159	.255	.122	.556	.206	.000	.826
19	LEATHER & PRODUCTS	.021	.010	.024	.015	.157	.030	.000	.350
20	GLASS & PRODUCTS	.027	.022	.059	.029	.101	.031	.000	.253
21	STONE & CLAY PRODUCTS	.062	.209	.061	.101	.161	.135	.000	.161
22	PRIMARY IRON & STEEL	.121	.360	.102	.127	.408	.187	.000	.571
23	PRIM. NONFERROUS METALS	.095	.118	.041	.063	.167	.079	.000	.275
24	MTNG. PLMNG & STR. META	.091	.158	.041	.175	.075	.123	.000	.068
25	OTHER FABRICATED METALS	.144	.301	.177	.141	.818	.207	.000	.876
26	ENGINES & TURBINES	.006	.029	.006	.005	.039	.014	.000	.034
27	MACHINERY & EQUIPMENTS	.101	.321	.102	.097	.543	.200	.000	.589
28	OFFICE MACHINES	.021	.014	.014	.014	.125	.031	.000	.072
29	OTHER ELECTRICAL EQUIP.	.373	.353	.128	.197	.632	.214	.000	1.048
30	SHIPBUILDING & REPAIR	.001	.011	.002	.001	.002	.023	.000	.006
31	OTHER TRANSPORTATION EQ	.047	.033	.049	.029	.377	.103	.000	.251
32	INSTRUMENTS	.080	.044	.067	.054	.504	.068	.000	1.197
33	MISC. MANUFACTURING	.096	.051	.118	.089	.543	.076	.000	1.994
34	DEEPSEA FOREIGN TRANS.	.000	.000	.001	.000	.001	.049	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.007	.077	.014	.006	.015	.020	.000	.043
36	GREAT LAKES TRANS.	.001	.014	.001	.001	.003	.002	.000	.007
37	RIVER & CANAL TRANS.	.003	.048	.005	.003	.009	.010	.000	.027
38	LOCAL WATER TRANS.	.002	.020	.004	.002	.004	.010	.000	.014
39	SERVICE TO WATER TRANS.	.003	.038	.007	.003	.008	.028	.000	.021
40	OTHER TRANS. & STORAGE	.544	1.614	.965	.546	1.175	5.665	.000	15.369
41	COMMUNICATIONS	44.035	.314	.719	.493	1.876	.324	.000	.722
42	UTILITIES	.257	22.204	.429	.184	.495	.515	.000	.413
43	WHOLESALE & RETAIL TRAD	1.884	2.074	102.551	1.755	4.822	1.940	.000	10.797
44	FINANCE, INSURANCE & R.	2.339	2.662	4.854	58.962	4.857	3.142	.000	3.647
45	SERVICES	5.529	2.007	4.865	3.526	58.191	3.427	.000	10.449
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	58.478	38.698	118.443	68.981	85.383	20.321	.000	80.221
50	LABOR OUTPUT RATIO	43.118	17.352	99.392	52.178	52.172	.000	.000	.000
51	EMPLOYMENT MULTIPLIER	1.356	2.230	1.192	1.322	1.637	.000	.000	.000
	WATER TRANSPORTATION	.013	.158	.025	.013	.031	.143	.000	.099
	TOTAL EMPLOYMENT	967.	643.	16166.	8321.	7801.	0.	0.	0.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	63.340	9.172	8.496	4.811	4.858	4.089	6.604	5.127	5.264	24.870
2	OTHER FARM PRODUCTS	28.062	66.996	5.182	3.826	3.851	3.240	5.245	4.123	4.178	16.432
3	FOREST & FISH PRODUCTS	3.620	4.056	61.795	.705	.730	.595	.941	1.106	.777	2.082
4	IRON ORES MINING	.085	.097	.078	43.747	.245	.123	.198	.249	.305	.099
5	NONFERROUS ORES MINING	.080	.097	.067	.876	48.640	.076	.149	.276	.287	.083
6	CRUDE OIL & NATURAL GAS	.956	1.214	.766	.907	.885	21.462	1.386	1.002	.827	.822
7	OTHER MINING	.545	.797	.352	.770	.616	.387	44.456	1.209	.589	.520
8	CONSTRUCTION	1.667	1.565	.764	2.288	1.534	.902	1.557	45.539	1.038	1.222
9	ORDNANCE & ACCESSORIES	.033	.034	.033	.037	.037	.031	.050	.039	34.858	.032
10	FOOD PRODUCTS & TOBACCO	8.757	5.183	5.349	5.247	5.303	4.464	7.204	5.563	5.746	30.125
11	TEXTILES & APPAREL	5.895	6.291	8.022	6.491	6.267	5.282	9.095	7.114	7.106	5.866
12	LUMBER & WOOD PRODUCTS	1.570	1.759	1.662	1.842	2.255	1.233	2.312	5.729	2.310	1.716
13	PAPER & PRODUCTS	1.994	1.825	2.926	1.780	1.759	1.458	2.564	2.250	2.354	3.404
14	PRINTING & PUBLISHING	2.616	2.704	2.325	2.875	2.714	2.306	3.707	3.049	3.024	2.997
15	CHEMICALS & PRODUCTS	1.992	3.540	1.107	1.772	2.336	1.007	1.879	1.231	1.863	1.645
16	OTHER CHEMICAL PRODUCTS	.729	.702	.651	.752	.728	.633	.995	1.112	.786	.743
17	PETROLEUM REFINING	.644	.838	.511	.537	.533	.414	.895	.667	.525	.536
18	RUBBER & PLASTICS	1.655	1.773	1.535	2.157	1.579	1.364	2.629	2.162	2.265	2.020
19	LEATHER & PRODUCTS	.941	.950	.925	1.010	1.012	.853	1.377	1.072	1.094	.901
20	GLASS & PRODUCTS	.443	.343	.327	.366	.351	.303	.490	.575	.435	1.008
21	STONE & CLAY PRODUCTS	.374	.417	.256	.490	.515	.664	.589	4.047	.448	.334
22	PRIMARY IRON & STEEL	1.069	1.132	1.015	3.111	3.287	1.649	2.647	3.355	4.152	1.284
23	PRIM. NONFERROUS METALS	.432	.476	.387	.721	.647	.435	.785	1.784	1.839	.469
24	HTNG, PLMNG & STR. META	.250	.252	.155	.340	.265	.358	.347	4.260	.207	.203
25	OTHER FABRICATED METALS	1.716	1.573	1.863	1.807	1.936	1.447	2.551	2.800	2.960	2.684
26	ENGINES & TURBINES	.071	.063	.099	.242	.413	.196	.377	.126	.120	.068
27	MACHINERY & EQUIPMENTS	1.110	1.541	.788	2.513	4.805	1.645	2.933	1.851	2.408	1.145
28	OFFICE MACHINES	.133	.139	.120	.154	.143	.120	.194	.494	.172	.129
29	OTHER ELECTRICAL EQUIP.	1.954	2.068	1.824	2.327	2.288	2.489	3.113	3.813	4.148	1.871
30	SHIPBUILDING & REPAIR	.020	.029	.027	.195	.029	.069	.121	.019	.015	.018
31	OTHER TRANSPORTATION EQ	1.857	1.949	1.940	2.232	2.088	1.710	2.901	2.138	4.033	1.805
32	INSTRUMENTS	.463	.489	.435	.544	.522	.469	.703	.773	.925	.475
33	MISC. MANUFACTURING	.999	1.045	1.042	1.116	1.099	.928	1.492	1.315	1.211	.997
34	DEEPSEA FOREIGN TRANS.	.005	.006	.005	.006	.006	.005	.008	.006	.006	.005
35	DEEPSEA DOMESTIC TRANS.	.108	.138	.100	.093	.110	.644	.368	.115	.093	.113
36	GREAT LAKES TRANS.	.015	.022	.010	1.600	.018	.011	.353	.025	.020	.018
37	RIVER & CANAL TRANS.	.112	.213	.153	.732	.259	.160	.883	.074	.059	.086
38	LOCAL WATER TRANS.	.047	.068	.232	.143	.058	.132	.189	.038	.029	.041
39	SERVICE TO WATER TRANS.	.064	.084	.063	.220	.074	.301	.253	.067	.057	.065
40	OTHER TRANS. & STORAGE	9.789	11.165	6.564	8.267	6.758	7.019	30.149	8.464	6.956	8.327
41	COMMUNICATIONS	2.395	2.431	2.024	2.530	2.424	2.033	3.392	2.761	3.058	2.382
42	UTILITIES	1.706	1.826	1.448	2.770	2.551	1.604	3.009	1.931	1.977	1.752
43	WHOLESALE & RETAIL TRAD	44.773	44.026	37.761	41.804	41.929	34.576	57.404	52.030	46.332	42.321
44	FINANCE, INSURANCE & R.	25.176	27.530	22.068	30.882	26.594	29.922	35.285	25.465	24.739	22.808
45	SERVICES	20.291	21.749	17.284	23.236	20.738	17.635	28.932	24.338	22.969	20.988
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	260.548	230.409	200.557	210.870	206.090	156.441	272.711	231.324	204.564	207.513
51	LABOR OUTPUT RATIO	59.763	59.796	59.772	39.891	40.065	20.233	40.059	44.517	31.997	20.031
52	EMPLOYMENT MULTIPLIER	4.358	3.853	3.355	5.286	5.144	7.732	6.808	5.196	6.393	10.360
	WATER TRANSPORTATION	.456	.890	1.173	6.997	.919	2.437	4.551	.376	.273	.436
	TOTAL EMPLOYMENT	1744.	1566.	252.	44.	49.	276.	246.	4080.	316.	1897.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	6.115	5.408	5.069	5.153	4.868	5.211	3.889	5.015	4.888	5.086
2	OTHER FARM PRODUCTS	7.193	4.250	4.024	4.097	3.973	4.309	3.084	4.088	4.062	4.037
3	FOREST & FISH PRODUCTS	1.293	5.268	1.059	.776	.748	.742	.563	.743	.772	.777
4	IRON ORES MINING	.086	.192	.112	.086	.246	.126	.104	.123	.095	.089
5	NONFERROUS ORES MINING	.085	.121	.099	.088	.366	.129	.085	.135	.085	.121
6	CRUDE OIL & NATURAL GAS	.830	.878	.931	.805	2.022	.902	11.039	.977	.751	.884
7	OTHER MINING	.537	.544	.987	.516	2.456	.782	.563	.921	.477	1.215
8	CONSTRUCTION	1.042	1.149	1.289	1.093	1.361	1.126	1.486	1.178	.908	1.289
9	ORDNANCE & ACCESSORIES	.038	.039	.057	.039	.036	.036	.029	.037	.036	.039
10	FOOD PRODUCTS & TOBACCO	5.600	5.578	5.518	5.623	5.314	5.651	4.248	5.437	5.250	5.548
11	TEXTILES & APPAREL	97.961	9.758	7.732	7.257	6.325	6.344	5.035	10.422	13.487	6.840
12	LUMBER & WOOD PRODUCTS	1.665	70.187	6.912	2.424	1.807	1.715	1.275	1.842	2.347	2.613
13	PAPER & PRODUCTS	2.604	2.538	47.761	9.631	2.495	3.606	1.740	3.460	2.997	4.931
14	PRINTING & PUBLISHING	2.831	2.846	2.783	59.251	2.755	3.422	2.286	2.837	2.715	2.841
15	CHEMICALS & PRODUCTS	2.156	1.499	2.496	1.794	29.478	4.378	1.568	5.978	1.837	1.894
16	OTHER CHEMICAL PRODUCTS	.790	1.018	.785	.784	.791	23.219	.677	.835	.972	.885
17	PETROLEUM REFINING	.524	.563	.586	.511	1.382	.587	8.642	.624	.475	.526
18	RUBBER & PLASTICS	6.317	2.893	3.076	2.095	2.007	3.705	1.389	43.832	5.408	2.830
19	LEATHER & PRODUCTS	1.309	1.094	1.027	1.070	.996	.996	.810	1.074	86.358	1.060
20	GLASS & PRODUCTS	.514	.623	.381	.371	.373	1.085	.295	.480	.374	51.609
21	STONE & CLAY PRODUCTS	.350	.735	.446	.334	.517	.449	.609	.395	.319	1.051
22	PRIMARY IRON & STEEL	1.073	2.590	1.415	1.096	1.629	1.496	1.357	1.347	1.219	1.115
23	PRIM. NONFERROUS METALS	.463	.707	.532	.500	1.036	.646	.483	.613	.475	.725
24	HTNG, PLMNG & STR. META	.196	.232	.223	.204	.245	.202	.320	.211	.178	.233
25	OTHER FABRICATED METALS	1.573	3.361	2.162	1.630	2.265	3.171	1.516	2.101	2.302	1.576
26	ENGINES & TURBINES	.072	.080	.079	.070	.103	.075	.134	.079	.068	.078
27	MACHINERY & EQUIPMENTS	1.259	1.320	1.497	1.039	2.007	1.162	1.405	1.528	1.199	1.154
28	OFFICE MACHINES	.143	.152	.142	.148	.141	.151	.120	.142	.136	.146
29	OTHER ELECTRICAL EQUIP.	2.136	2.215	2.106	2.170	2.202	2.073	2.097	2.108	2.058	2.165
30	SHIPBUILDING & REPAIR	.015	.025	.019	.014	.042	.018	.113	.020	.016	.019
31	OTHER TRANSPORTATION EQ	2.095	2.146	2.047	2.116	2.005	1.991	1.637	2.059	1.986	2.122
32	INSTRUMENTS	.565	.561	.529	1.068	.533	.579	.483	.536	.540	.552
33	MISC. MANUFACTURING	1.911	1.224	1.133	1.267	1.084	1.155	.889	1.330	1.596	1.245
34	DEEPSEA FOREIGN TRANS.	.006	.006	.006	.007	.006	.006	.005	.006	.006	.006
35	DEEPSEA DOMESTIC TRANS.	.096	.148	.109	.088	.259	.119	1.051	.134	.112	.107
36	GREAT LAKES TRANS.	.012	.022	.032	.014	.033	.016	.019	.016	.012	.045
37	RIVER & CANAL TRANS.	.060	.115	.073	.051	.238	.070	.270	.082	.049	.065
38	LOCAL WATER TRANS.	.031	.083	.036	.027	.082	.035	.234	.039	.031	.033
39	SERVICE TO WATER TRANS.	.057	.084	.065	.053	.140	.067	.486	.075	.063	.065
40	OTHER TRANS. & STORAGE	7.005	9.541	9.315	6.935	10.492	7.550	8.286	8.417	6.163	9.471
41	COMMUNICATIONS	2.658	2.648	2.588	3.047	2.529	2.726	2.006	2.629	2.531	2.603
42	UTILITIES	2.009	2.007	2.277	1.918	2.664	1.866	1.850	2.163	1.817	2.639
43	WHOLESALE & RETAIL TRAD	46.718	46.792	45.022	44.977	42.264	42.627	33.694	44.534	45.191	44.801
44	FINANCE, INSURANCE & R.	25.362	25.200	24.579	27.075	25.481	24.864	25.756	24.662	23.976	25.295
45	SERVICES	21.823	22.045	21.669	23.457	21.643	28.577	18.170	22.184	21.194	22.190
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	257.177	240.486	210.765	222.747	189.442	189.759	151.827	207.452	247.529	214.614
51	LABOR OUTPUT RATIO	52.267	52.321	33.328	49.675	22.532	21.366	6.440	35.721	68.595	47.763
52	EMPLOYMENT MULTIPLIER	4.920	4.596	6.324	4.484	8.408	8.881	23.576	5.807	3.609	4.493
	WATER TRANSPORTATION	.273	.708	.396	.234	1.237	.376	3.717	.442	.310	.410
	TOTAL EMPLOYMENT	2342.	1039.	684.	1071.	469.	316.	191.	718.	351.	174.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	5.126	4.848	4.376	4.897	5.016	5.022	5.114	5.134	5.170	5.405
2	OTHER FARM PRODUCTS	4.082	3.846	3.471	3.882	3.979	3.979	4.053	4.067	4.101	4.283
3	FOREST & FISH PRODUCTS	.740	.694	.651	.700	.723	.705	.725	.733	.770	.798
4	IRON ORES MINING	.193	3.018	.152	.871	.812	.554	.509	.268	.237	.429
5	NONFERROUS ORES MINING	.175	.397	4.755	.517	.442	.478	.281	.343	.374	.359
6	CRUDE OIL & NATURAL GAS	.963	.870	.778	.799	.810	.818	.819	.769	.797	.828
7	OTHER MINING	4.539	1.948	.545	.833	.845	.727	.662	.538	.557	.630
8	CONSTRUCTION	1.391	1.499	1.078	1.169	1.154	1.146	1.103	1.037	1.071	1.154
9	ORDNANCE & ACCESSORIES	.039	.037	.033	.037	.038	.038	.039	.039	.039	.041
10	FOOD PRODUCTS & TOBACCO	5.589	5.290	4.776	5.347	5.475	5.487	5.585	5.611	5.642	5.900
11	TEXTILES & APPAREL	7.444	6.379	5.843	6.391	6.661	6.527	6.721	6.707	6.918	7.115
12	LUMBER & WOOD PRODUCTS	1.918	1.767	1.954	1.777	1.945	1.660	1.795	1.838	2.369	2.400
13	PAPER & PRODUCTS	3.013	1.805	1.732	2.147	2.418	2.095	1.954	2.383	2.561	2.001
14	PRINTING & PUBLISHING	2.902	2.761	2.508	2.828	3.150	2.856	2.890	3.502	3.038	2.989
15	CHEMICALS & PRODUCTS	1.644	1.460	1.457	1.164	1.357	1.082	1.092	1.178	1.399	1.076
16	OTHER CHEMICAL PRODUCTS	.793	.741	.670	.962	.936	.785	.795	.846	.843	.860
17	PETROLEUM REFINING	.587	.523	.458	.494	.500	.516	.517	.484	.500	.519
18	RUBBER & PLASTICS	2.264	1.667	2.182	1.740	2.149	1.790	2.121	2.359	2.865	1.828
19	LEATHER & PRODUCTS	1.091	1.024	.955	1.023	1.055	1.074	1.084	1.075	1.100	1.136
20	GLASS & PRODUCTS	.374	.359	.319	.609	.404	.385	.386	.453	.998	.512
21	STONE & CLAY PRODUCTS	49.900	.615	.496	.529	.564	1.050	.802	.734	.719	.770
22	PRIMARY IRON & STEEL	1.952	42.293	1.920	12.147	11.309	7.685	7.069	3.671	3.210	5.945
23	PRIM. NONFERROUS METALS	.622	1.487	34.307	3.301	2.776	3.152	1.745	2.287	2.454	2.350
24	HTNG, PLMNG & STR. META	.244	.248	.198	42.127	.213	.327	.456	.315	.215	2.776
25	OTHER FABRICATED METALS	2.122	2.537	1.982	3.704	42.134	3.435	2.807	3.719	3.401	3.157
26	ENGINES & TURBINES	.141	.111	.111	.095	.101	34.810	.612	.109	.117	1.992
27	MACHINERY & EQUIPMENTS	1.897	2.899	2.747	2.672	2.617	5.394	51.238	2.683	2.055	6.018
28	OFFICE MACHINES	.150	.146	.127	.244	.145	.152	.152	39.328	.341	.201
29	OTHER ELECTRICAL EQUIP.	2.454	2.911	2.214	2.928	2.436	4.525	3.960	9.372	57.271	3.372
30	SHIPBUILDING & REPAIR	.029	.034	.014	.019	.019	.017	.016	.014	.015	61.538
31	OTHER TRANSPORTATION EQ	2.161	2.057	1.821	2.040	2.185	2.084	2.123	2.128	2.190	2.241
32	INSTRUMENTS	.554	.639	.450	.851	.574	.670	.712	.942	.735	.870
33	MISC. MANUFACTURING	1.318	1.123	1.059	1.131	1.147	1.151	1.178	1.344	1.249	1.227
34	DEEPSEA FOREIGN TRANS.	.006	.006	.005	.006	.006	.006	.006	.006	.006	.007
35	DEEPSEA DOMESTIC TRANS.	.142	.131	.082	.101	.105	.096	.095	.087	.091	.093
36	GREAT LAKES TRANS.	.068	.135	.013	.044	.043	.032	.030	.019	.019	.026
37	RIVER & CANAL TRANS.	.144	.149	.071	.073	.073	.064	.061	.052	.054	.060
38	LOCAL WATER TRANS.	.049	.049	.028	.032	.033	.030	.030	.027	.028	.030
39	SERVICE TO WATER TRANS.	.087	.087	.050	.062	.064	.059	.058	.053	.055	.057
40	OTHER TRANS. & STORAGE	12.836	8.914	6.430	7.977	7.581	6.846	6.896	6.854	6.742	7.006
41	COMMUNICATIONS	2.757	2.544	2.273	2.696	2.622	2.693	2.760	2.819	2.868	2.862
42	UTILITIES	2.669	2.541	2.410	2.118	2.160	2.023	2.010	1.910	2.005	2.103
43	WHOLESALE & RETAIL TRAD	45.265	43.989	42.243	45.001	44.268	46.738	46.177	47.472	46.210	48.553
44	FINANCE, INSURANCE & R.	26.125	24.041	22.080	24.421	24.582	24.277	25.433	26.081	25.416	25.872
45	SERVICES	22.532	21.798	18.976	21.657	21.757	21.795	22.127	22.542	22.886	22.749
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	221.092	202.416	180.834	214.165	209.363	206.833	216.798	213.934	221.704	242.136
51	LABOR OUTPUT RATIO	43.616	31.953	20.746	40.710	38.406	31.409	43.551	34.438	44.986	60.873
52	EMPLOYMENT MULTIPLIER	5.069	6.335	8.717	5.261	5.452	6.585	4.978	6.212	4.928	3.978
	WATER TRANSPORTATION	.729	.855	.284	.387	.391	.321	.306	.247	.261	.279
	TOTAL EMPLOYMENT	454.	916.	370.	486.	878.	105.	1520.	369.	1906.	145.

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	4.967	5.017	5.010	4.464	4.365	3.635	4.575	4.994	3.972	4.292
2	OTHER FARM PRODUCTS	3.979	4.066	4.119	3.568	3.479	2.896	3.644	3.973	3.163	3.393
3	FOREST & FISH PRODUCTS	.745	.717	.844	.635	.614	.508	.642	.713	.551	.596
4	IRON ORES MINING	.420	.179	.200	.169	.138	.107	.137	.130	.116	.087
5	NONFERROUS ORES MINING	.304	.332	.329	.169	.136	.106	.136	.130	.115	.065
6	CRUDE OIL & NATURAL GAS	.788	.770	.793	1.108	.954	.768	.968	.933	.822	1.029
7	OTHER MINING	.617	.527	.560	.448	.397	.319	.405	.446	.340	.343
8	CONSTRUCTION	1.084	1.060	1.035	1.598	1.399	.998	1.496	3.624	.670	.776
9	ORDNANCE & ACCESSORIES	.080	.038	.037	.034	.033	.028	.035	.038	.030	.033
10	FOOD PRODUCTS & TOBACCO	5.402	5.464	5.429	4.863	4.758	3.962	4.987	5.445	4.330	4.688
11	TEXTILES & APPAREL	8.059	7.574	9.460	6.958	6.487	5.338	6.714	7.065	5.824	5.612
12	LUMBER & WOOD PRODUCTS	2.238	1.711	3.214	1.477	1.396	1.138	1.457	1.748	1.201	1.320
13	PAPER & PRODUCTS	2.076	2.601	4.464	1.780	1.651	1.337	1.712	1.806	1.462	1.576
14	PRINTING & PUBLISHING	2.894	2.915	2.879	2.626	2.461	2.017	2.554	2.700	2.202	2.425
15	CHEMICALS & PRODUCTS	1.205	1.864	1.588	.918	.845	.690	.871	.918	.747	.819
16	OTHER CHEMICAL PRODUCTS	.847	.758	.879	.856	.783	.639	.807	.841	.695	.651
17	PETROLEUM REFINING	.496	.486	.502	.769	.654	.524	.662	.628	.561	.705
18	RUBBER & PLASTICS	2.748	2.748	4.734	1.630	1.498	1.224	1.538	1.627	1.318	1.541
19	LEATHER & PRODUCTS	1.047	1.045	1.505	.930	.911	.759	.955	1.045	.830	.882
20	GLASS & PRODUCTS	.774	.728	.595	.536	.469	.369	.468	.470	.408	.337
21	STONE & CLAY PRODUCTS	.555	.458	.490	.423	.368	.290	.384	.560	.276	.274
22	PRIMARY IRON & STEEL	5.811	2.378	2.690	2.301	1.871	1.458	1.862	1.764	1.571	1.167
23	PRIM. NONFERROUS METALS	1.946	2.113	2.206	1.096	.878	.684	.870	.831	.736	.388
24	HTNG, PLMNG & STR. META	.315	.220	.203	.408	.338	.256	.345	.514	.241	.175
25	OTHER FABRICATED METALS	5.466	3.070	2.748	2.818	2.337	1.830	2.344	2.202	2.007	1.373
26	ENGINES & TURBINES	.336	.080	.073	.265	.207	.164	.204	.177	.173	.113
27	MACHINERY & EQUIPMENTS	3.752	1.815	1.176	1.838	1.491	1.184	1.491	1.372	1.275	.867
28	OFFICE MACHINES	.470	.152	.154	.140	.132	.108	.138	.163	.114	.129
29	OTHER ELECTRICAL EQUIP.	4.266	4.466	2.817	2.177	2.044	1.694	2.112	2.341	1.799	2.016
30	SHIPBUILDING & REPAIR	.016	.014	.017	3.893	2.845	2.132	2.722	2.023	2.376	.014
31	OTHER TRANSPORTATION EQ	37.782	2.116	2.038	2.129	2.013	1.650	2.089	2.200	1.807	2.162
32	INSTRUMENTS	1.115	56.384	.551	.760	.655	.518	.666	.656	.570	.467
33	MISC. MANUFACTURING	1.203	1.225	57.665	1.110	1.051	.863	1.095	1.165	.941	.963
34	DEEPSEA FOREIGN TRANS.	.006	.006	.006	28.509	.027	.005	.006	.006	.005	.005
35	DEEPSEA DOMESTIC TRANS.	.094	.085	.111	.113	32.589	.079	.100	.097	.085	.103
36	GREAT LAKES TRANS.	.027	.015	.018	.014	.012	24.649	.012	.012	.010	.009
37	RIVER & CANAL TRANS.	.058	.053	.067	.052	.046	.037	42.212	.048	.040	.044
38	LOCAL WATER TRANS.	.029	.027	.034	3.153	5.253	.022	5.538	59.874	.024	.028
39	SERVICE TO WATER TRANS.	.057	.052	.064	10.837	14.335	2.015	2.401	.388	65.894	.057
40	OTHER TRANS. & STORAGE	7.398	6.118	6.958	9.491	7.959	6.961	8.106	6.551	5.189	60.779
41	COMMUNICATIONS	2.680	2.776	2.660	2.624	2.404	1.969	2.473	2.552	2.126	2.434
42	UTILITIES	1.957	1.872	1.913	1.670	1.555	1.283	1.618	1.706	1.388	1.558
43	WHOLESALE & RETAIL TRAD	44.704	44.248	45.442	36.956	35.868	29.837	37.547	41.208	32.346	37.670
44	FINANCE, INSURANCE & R.	24.250	24.540	24.591	24.309	22.718	18.729	23.566	24.741	20.335	22.015
45	SERVICES	22.433	22.467	22.525	20.519	19.155	15.734	19.842	20.968	17.091	18.541
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	207.514	217.346	225.389	193.143	191.580	141.514	194.565	213.394	187.775	184.524
51	LABOR OUTPUT RATIO	26.290	52.272	52.319	28.503	31.792	24.621	34.805	59.846	65.095	51.953
52	EMPLOYMENT MULTIPLIER	7.893	4.158	4.308	6.776	6.026	5.748	5.588	3.566	2.885	3.552
	WATER TRANSPORTATION	.296	.235	.367	66.681	81.551	49.503	106.232	119.937	.218	.263
	TOTAL EMPLOYMENT	1769.	459.	432.	54.	34.	6.	20.	15.	113.	2615.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1967 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	4.248	3.911	4.369	3.649	5.003	6.711	.000	9.071	5.844
2	OTHER FARM PRODUCTS	3.368	3.100	3.463	2.895	4.038	5.336	.000	6.897	4.623
3	FOREST & FISH PRODUCTS	.583	.554	.661	.569	.709	.925	.000	1.224	.789
4	IRON ORES MINING	.062	.076	.062	.055	.091	.100	.000	.098	.074
5	NONFERROUS ORES MINING	.063	.065	.056	.052	.083	.092	.000	.093	.068
6	CRUDE OIL & NATURAL GAS	.619	2.487	.709	.531	.766	1.070	.000	.788	.765
7	OTHER MINING	.299	1.918	.326	.270	.412	.558	.000	.495	.362
8	CONSTRUCTION	.770	.910	.847	.992	1.218	1.705	.000	.960	.801
9	ORDNANCE & ACCESSORIES	.032	.030	.033	.028	.038	.051	.000	.072	.045
10	FOOD PRODUCTS & TOBACCO	4.641	4.271	4.770	3.981	5.427	7.324	.000	10.327	6.381
11	TEXTILES & APPAREL	5.401	5.070	5.604	4.630	6.491	8.821	.000	5.941	7.486
12	LUMBER & WOOD PRODUCTS	1.242	1.163	1.362	1.145	1.559	2.010	.000	1.860	1.635
13	PAPER & PRODUCTS	1.548	1.400	1.966	1.375	2.466	2.343	.000	4.866	1.850
14	PRINTING & PUBLISHING	2.691	2.173	2.688	2.298	6.781	3.863	.000	9.241	2.897
15	CHEMICALS & PRODUCTS	.726	.794	.774	.663	1.066	1.460	.000	1.331	.921
16	OTHER CHEMICAL PRODUCTS	.647	.603	.656	.605	1.003	1.075	.000	.830	.831
17	PETROLEUM REFINING	.391	.459	.449	.337	.480	.680	.000	.515	.489
18	RUBBER & PLASTICS	1.303	1.228	1.436	1.113	1.868	2.051	.000	1.937	1.627
19	LEATHER & PRODUCTS	.889	.816	.914	.761	1.146	1.421	.000	1.188	1.226
20	GLASS & PRODUCTS	.308	.282	.346	.270	.420	.480	.000	.524	.396
21	STONE & CLAY PRODUCTS	.266	.397	.270	.276	.413	.461	.000	.358	.287
22	PRIMARY IRON & STEEL	.815	1.004	.814	.724	1.199	1.299	.000	1.240	.981
23	PRIM. NONFERROUS METALS	.383	.385	.337	.310	.495	.540	.000	.552	.407
24	HTNG, PLMNG & STR. META	.214	.272	.167	.281	.215	.320	.000	.186	.174
25	OTHER FABRICATED METALS	1.193	1.274	1.252	1.043	2.013	1.887	.000	1.887	1.481
26	ENGINES & TURBINES	.055	.074	.056	.047	.095	.092	.000	.081	.069
27	MACHINERY & EQUIPMENTS	.681	.860	.697	.596	1.205	1.130	.000	1.149	.820
28	OFFICE MACHINES	.131	.116	.127	.109	.251	.208	.000	.178	.156
29	OTHER ELECTRICAL EQUIP.	2.536	1.896	1.833	1.627	2.527	2.878	.000	2.651	2.348
30	SHIPBUILDING & REPAIR	.010	.019	.011	.009	.012	.037	.000	.015	.012
31	OTHER TRANSPORTATION EQ	1.765	1.627	1.810	1.506	2.335	2.855	.000	1.909	2.427
32	INSTRUMENTS	.465	.402	.462	.386	.943	.686	.000	1.240	.545
33	MISC. MANUFACTURING	.989	.860	1.033	.857	1.561	1.507	.000	2.855	1.261
34	DEEPSEA FOREIGN TRANS.	.005	.005	.006	.005	.006	.057	.000	.005	.007
35	DEEPSEA DOMESTIC TRANS.	.064	.129	.072	.055	.080	.111	.000	.097	.080
36	GREAT LAKES TRANS.	.008	.020	.008	.007	.010	.013	.000	.014	.009
37	RIVER & CANAL TRANS.	.033	.076	.036	.029	.043	.059	.000	.057	.043
38	LOCAL WATER TRANS.	.020	.036	.022	.017	.024	.039	.000	.031	.025
39	SERVICE TO WATER TRANS.	.039	.071	.044	.034	.049	.086	.000	.056	.051
40	OTHER TRANS. & STORAGE	4.374	5.168	4.890	3.839	5.538	11.820	.000	19.083	5.408
41	COMMUNICATIONS	45.850	1.998	2.580	2.054	3.944	3.232	.000	2.472	2.564
42	UTILITIES	1.526	23.382	1.730	1.275	1.941	2.548	.000	1.636	1.792
43	WHOLESALE & RETAIL TRAD	35.094	32.897	136.596	30.314	42.663	55.144	.000	42.826	46.902
44	FINANCE, INSURANCE & R.	20.969	19.952	23.952	74.982	26.084	32.987	.000	21.614	26.310
45	SERVICES	21.120	16.477	20.867	16.933	75.955	28.404	.000	25.485	22.018
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	168.434	140.748	231.162	163.534	210.667	196.474	.000	186.263	155.288
51	LABOR OUTPUT RATIO	43.118	17.352	99.392	52.178	52.172	.000	.000	.000	.000
52	EMPLOYMENT MULTIPLIER	3.906	8.111	2.326	3.134	4.038	.000	.000	.000	.000
	WATER TRANSPORTATION	.143	.425	.168	.127	.195	.421	.000	.303	.000
	TOTAL EMPLOYMENT	967.	643.	16166.	8321.	7801.	0.	0.	0.	0.

1972 MarAd I-O Tables
(INFORUM Based)

TABLE 1, MARAD I-O TABLE OF U.S. ECONOMY; TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)
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TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	9526.3	2694.9	264.1	.0	.0	.0	.0	.0	.0	27985.8
2	OTHER FARM PRODUCTS	15532.2	1555.7	53.1	.0	.0	.0	.0	167.1	.0	12237.7
3	FOREST & FISH PRODUCTS	802.1	1965.3	164.7	.0	.0	9.0	.0	302.9	.0	977.9
4	IRON ORES MINING	.0	.0	.0	70.7	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	7.9	587.6	.0	2.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	439.8	1.7	.0	.0	.0
7	OTHER MINING	4.5	162.2	.0	3.2	.0	.0	1003.8	693.3	1.1	56.0
8	CONSTRUCTION	293.5	583.6	1.9	26.5	47.6	70.3	96.2	56876.2	13.6	357.0
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	521.9	.0
10	FOOD PRODUCTS & TOBACCO	4420.7	.0	130.0	.0	.0	.0	.0	.0	.0	22130.7
11	TEXTILES & APPAREL	9.0	81.4	178.4	1.9	.0	8.0	54.2	423.1	15.6	151.6
12	LUMBER & WOOD PRODUCTS	3.5	44.5	18.2	4.1	43.8	.0	50.5	9886.2	40.8	143.5
13	PAPER & PRODUCTS	13.4	1.5	207.0	.0	.0	1.2	28.8	336.0	29.3	3499.6
14	PRINTING & PUBLISHING	5.3	8.8	.0	.0	.0	.0	.0	.0	.5	779.1
15	CHEMICALS & PRODUCTS	90.4	2694.0	34.7	26.9	157.4	179.1	198.7	174.1	88.4	468.6
16	OTHER CHEMICAL PRODUCTS	47.6	.0	3.5	.0	.0	14.0	.0	932.0	.0	309.7
17	PETROLEUM REFINING	154.0	1112.6	68.7	3.4	13.4	50.8	135.0	1994.3	10.3	259.9
18	RUBBER & PLASTICS	37.7	208.3	8.6	13.0	25.8	50.8	99.6	1149.0	73.4	1465.5
19	LEATHER & PRODUCTS	11.8	.0	1.5	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	5.7	.0	.0	.0	.0	.0	.0	257.3	2.0	1668.8
21	STONE & CLAY PRODUCTS	2.2	25.6	.0	.8	12.0	165.7	27.4	9695.1	6.3	.0
22	PRIMARY IRON & STEEL	.0	.0	.0	35.3	129.3	258.4	155.9	1552.8	475.1	15.4
23	PRIM. NONFERROUS METALS	.9	1.0	.0	3.3	2.9	.0	25.0	3106.9	203.4	5.2
24	HTNG, FLMNG & STR. META	.0	.0	.0	.0	.0	89.1	8.9	11132.0	.0	.0
25	OTHER FABRICATED METALS	72.6	71.1	118.9	3.7	14.9	111.9	120.2	2180.1	123.6	3872.9
26	ENGINES & TURBINES	.0	.0	10.3	4.9	26.9	95.2	81.1	138.0	4.1	.0
27	MACHINERY & EQUIPMENTS	18.7	646.9	3.2	31.7	239.6	381.4	383.4	1290.0	98.7	342.3
28	OFFICE MACHINES	.0	.0	.0	.0	.0	.0	.0	1262.7	.0	.0
29	OTHER ELECTRICAL EQUIP.	15.4	54.1	3.2	2.2	1.1	260.6	28.5	3199.2	200.9	5.4
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	7.9	16.5	36.0	5.5	10.4	.0	.0	2824.0	337.5	5.5
32	INSTRUMENTS	.0	.0	.0	.0	.0	14.4	.0	390.9	37.6	15.9
33	MISC. MANUFACTURING	1.7	1.8	7.7	.0	.0	.7	.0	198.3	.0	12.7
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	.5	11.2	5.4	.0	.9	341.5	63.2	.0	.2	88.4
36	GREAT LAKES TRANS.	.0	13.9	.0	109.4	.0	.1	122.7	.0	.0	19.3
37	RIVER & CANAL TRANS.	.0	140.5	23.8	27.1	8.2	55.5	173.8	.0	.0	20.1
38	LOCAL WATER TRANS.	.0	.2	29.4	.8	.0	.8	.9	.0	.0	1.7
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	1646.7	4127.6	313.3	263.5	118.5	1089.6	3915.5	688.2	90.4	3180.7
41	COMMUNICATIONS	93.4	98.8	1.9	2.2	12.0	21.4	16.9	473.2	71.6	463.2
42	UTILITIES	106.3	227.5	4.9	45.2	134.1	221.0	293.5	84.0	27.8	861.5
43	WHOLESALE & RETAIL TRAD	1640.9	2350.5	164.8	19.8	72.6	265.2	264.7	12476.1	171.1	5142.6
44	FINANCE, INSURANCE & R.	812.0	3195.8	233.6	125.6	210.2	3681.3	598.8	1807.1	40.0	1577.6
45	SERVICES	457.8	2050.4	23.1	61.4	86.9	462.7	386.7	7492.8	212.0	5125.0
46	GOVERNMENT ENTERPRISES	3.9	4.6	.0	1.4	5.4	11.3	8.8	72.8	9.4	142.2
47	NONCOMPETITIVE IMPORTS	.0	.0	57.1	.0	.0	.0	.0	45.3	.0	2003.1
48	DUMMY INDUSTRIES	43.9	67.3	92.1	4.8	39.5	157.3	60.3	1134.7	128.5	703.0
49	EMPLOYMENT COMPENSATION	-12.0	3581.0	1472.0	310.0	704.0	1533.0	3306.0	49241.0	3457.0	17563.0
50	INDIRECT TAX	831.0	1047.0	84.0	51.0	101.0	1056.0	199.0	1342.0	81.0	6833.0
51	PROPERTY INCOME	9852.3	16034.4	2606.8	242.0	213.9	7673.4	1262.8	14166.8	177.2	7783.3
52	TOTAL	46554.2	44880.4	6426.0	1509.1	3020.0	18770.8	13174.6	199185.5	6750.1	128274.2
53	WATER TRANSPORTATION	.5	165.8	58.6	137.3	9.1	398.0	360.7	.0	.2	129.5

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY, TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	594.5	.C	.0	.0	.0	20.4	.0	.0	.C	.0
2	OTHER FARM PRODUCTS	868.2	.C	.0	.0	85.3	124.2	.0	.0	.C	.0
3	FOREST & FISH PRODUCTS	159.2	1855.2	.0	.0	13.5	5.7	.0	.0	.C	.0
4	IRON ORES MINING	.0	.C	.0	.0	58.3	.0	.0	.0	.C	.0
5	NONFERROUS ORES MINING	.0	.C	.0	.0	56.7	.0	.0	.0	.C	.0
6	CRUDE OIL & NATURAL GAS	.0	.C	.0	.0	48.0	.0	16406.8	.0	.C	.0
7	OTHER MINING	29.7	10.C	182.6	.0	806.5	39.2	111.1	77.7	2.4	92.9
8	CONSTRUCTION	130.1	184.1	180.8	114.1	194.0	79.4	490.3	145.7	10.1	50.7
9	ORDNANCE & ACCESSORIES	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
10	FOOD PRODUCTS & TOBACCO	55.9	.C	137.9	.0	132.1	307.5	28.4	109.8	1.7	.0
11	TEXTILES & APPAREL	26167.6	888.8	250.9	148.2	27.9	14.1	4.1	1007.7	387.5	6.0
12	LUMBER & WOOD PRODUCTS	28.7	9079.1	1688.9	.0	96.7	11.6	2.8	76.3	71.3	62.0
13	PAPER & PRODUCTS	535.9	258.5	7222.5	4287.9	309.9	661.7	221.3	787.4	108.4	305.5
14	PRINTING & PUBLISHING	21.9	.6	7.4	3436.7	1.9	41.3	2.7	.0	.C	.0
15	CHEMICALS & PRODUCTS	777.6	317.7	936.5	582.6	5383.8	2113.1	717.1	4531.1	76.9	138.4
16	OTHER CHEMICAL PRODUCTS	68.8	239.5	28.6	20.0	64.7	1082.0	120.7	114.0	67.C	24.7
17	PETROLEUM REFINING	65.3	161.2	247.2	45.5	2354.5	71.7	8765.7	19.3	6.6	10.6
18	RUBBER & PLASTICS	4025.8	701.9	714.6	204.4	256.0	1246.8	76.5	5000.7	479.8	171.6
19	LEATHER & PRODUCTS	176.4	7.8	.7	.7	1.0	.0	.7	9.5	1120.6	.0
20	GLASS. & PRODUCTS	73.3	129.7	.0	.0	10.4	280.8	.0	72.5	.C	363.9
21	STONE & CLAY PRODUCTS	6.4	205.8	27.1	.0	64.8	35.1	72.2	22.2	2.C	73.4
22	PRIMARY IRON & STEEL	.0	551.6	33.9	15.2	110.4	13.4	10.0	65.4	.C	.0
23	PRIM. NONFERROUS METALS	.0	84.5	12.1	31.6	334.6	35.4	37.0	27.0	.C	28.7
24	HTNG, PLMNG & STR. META	.0	15.9	.0	.0	.0	.0	.0	.0	.C	1.2
25	OTHER FABRICATED METALS	46.7	1149.4	285.9	48.4	462.9	889.5	166.4	353.3	100.8	3.6
26	ENGINES & TURBINES	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
27	MACHINERY & EQUIPMENTS	290.3	155.5	211.0	47.8	519.0	25.3	136.1	266.8	28.1	16.4
28	OFFICE MACHINES	.0	6.3	.0	.0	.0	.0	.0	.0	.C	.0
29	OTHER ELECTRICAL EQUIP.	9.0	23.6	4.4	2.4	31.7	1.8	19.8	3.2	5.1	1.4
30	SHIPBUILDING & REPAIR	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
31	OTHER TRANSPORTATION EQ	.0	8.4	.0	.0	.0	.0	.0	15.5	.C	.0
32	INSTRUMENTS	31.2	15.3	7.0	310.2	9.0	6.4	26.3	7.2	3.7	2.6
33	MISC. MANUFACTURING	430.3	22.6	4.7	45.8	.0	1.0	.0	97.5	37.5	8.0
34	DEEPSEA FOREIGN TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
35	DEEPSEA DOMESTIC TRANS.	5.1	46.5	3.4	.9	39.5	10.2	690.2	20.4	4.2	2.2
36	GREAT LAKES TRANS.	.0	7.7	13.8	.0	.7	.0	10.3	.0	.1	6.2
37	RIVER & CANAL TRANS.	.0	36.2	2.5	.0	67.2	.0	127.6	1.3	.C	.0
38	LOCAL WATER TRANS.	.0	11.5	.0	.0	.1	.0	13.0	.0	.C	.0
39	SERVICE TO WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
40	OTHER TRANS. & STORAGE	776.2	2133.2	1579.2	405.2	1586.1	532.8	1569.6	1144.7	58.7	377.5
41	COMMUNICATIONS	229.6	133.9	107.3	384.2	114.8	109.5	35.8	166.2	27.2	20.8
42	UTILITIES	505.4	297.3	600.3	180.1	1019.4	95.8	663.7	472.1	36.9	232.8
43	WHOLESALE & RETAIL TRAD	2285.9	1504.8	1094.6	951.0	788.0	795.5	489.7	1289.9	344.9	176.8
44	FINANCE, INSURANCE & R.	1034.0	609.3	525.4	1463.4	886.2	780.6	1321.6	704.5	137.8	133.6
45	SERVICES	1147.2	864.4	752.0	1535.7	1041.0	3326.1	1197.5	1159.2	179.1	183.2
46	GOVERNMENT ENTERPRISES	121.8	36.3	28.3	434.4	30.3	44.8	27.6	28.8	21.2	7.3
47	NONCOMPETITIVE IMPORTS	84.0	3.4	.0	3.6	53.9	65.4	2.8	277.5	8.9	.0
48	DUMMY INDUSTRIES	322.6	209.4	129.6	512.9	177.4	344.6	51.0	333.3	45.5	50.7
49	EMPLOYMENT COMPENSATION	15685.0	8651.C	7544.0	11445.0	5131.0	4474.0	3117.0	9354.0	1919.C	2131.0
50	INDIRECT TAX	276.0	211.C	279.0	164.0	183.0	60.0	3839.0	922.0	21.C	46.0
51	PROPERTY INCOME	3596.3	4141.2	2849.3	2900.3	4269.1	2796.4	1239.8	3414.4	37.4	1099.6
52	TOTAL	60662.0	34990.1	27693.3	29742.1	26821.5	20543.2	41812.2	32098.1	5351.3	5829.4
53	WATER TRANSPORTATION	5.1	101.9	19.7	.9	107.5	10.2	841.1	21.7	4.3	8.5

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
2	OTHER FARM PRODUCTS	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
3	FOREST & FISH PRODUCTS	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
4	IRON ORES MINING	10.3	1505.4	2.1	.0	.0	.0	.0	.0	1.1	.0
5	NONFERROUS ORES MINING	9.3	41.9	2117.1	.0	.0	.0	.0	.0	5.2	.0
6	CRUDE OIL & NATURAL GAS	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
7	OTHER MINING	1152.5	1226.4	21.4	1.8	15.4	3.6	9.3	2.3	10.2	.6
8	CONSTRUCTION	143.7	435.2	91.6	66.6	127.1	22.5	140.2	37.8	146.5	14.3
9	ORDNANCE & ACCESSORIES	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
10	FOOD PRODUCTS & TOBACCO	3.2	1.1	15.5	.0	.0	.0	.0	.0	.C	.0
11	TEXTILES & APPAREL	94.7	29.7	31.1	16.8	54.7	3.3	48.5	19.3	78.3	4.7
12	LUMBER & WOOD PRODUCTS	43.0	117.2	125.7	37.8	171.6	.0	114.4	27.2	515.C	40.9
13	PAPER & PRODUCTS	274.1	33.7	35.6	118.6	408.0	23.5	61.8	89.9	506.1	1.7
14	PRINTING & PUBLISHING	2.5	4.3	13.2	1.1	275.0	.0	1.5	112.9	74.7	.0
15	CHEMICALS & PRODUCTS	221.1	485.2	232.5	18.0	246.5	2.5	23.7	31.6	335.8	.6
16	OTHER CHEMICAL PRODUCTS	15.5	12.6	8.4	171.5	296.7	6.5	48.2	44.8	110.3	5.5
17	PETROLEUM REFINING	92.2	136.4	69.8	48.9	62.2	20.6	170.5	26.2	88.3	8.0
18	RUBBER & PLASTICS	149.5	41.2	320.5	40.5	511.7	11.0	433.4	205.9	1387.8	5.6
19	LEATHER & PRODUCTS	3.1	2.3	7.0	.0	2.3	1.3	5.9	1.8	10.6	.0
20	GLASS & PRODUCTS	.0	.C	.0	134.3	24.5	.0	.0	.0	552.3	13.2
21	STONE & CLAY PRODUCTS	1899.2	151.9	45.6	38.2	107.0	62.5	293.5	106.9	353.7	20.3
22	PRIMARY IRON & STEEL	167.3	7493.9	162.1	4081.9	7577.8	693.6	4890.5	718.8	1900.1	265.2
23	PRIM. NONFERROUS METALS	25.8	699.8	9286.1	1325.2	1931.4	339.4	1009.7	618.1	2446.6	91.2
24	HTNG, PLMNG & STR. META	.0	.C	.0	543.0	.0	13.5	220.1	40.5	13.C	214.0
25	OTHER FABRICATED METALS	153.8	769.9	210.7	868.5	1738.9	195.1	943.6	716.4	1720.C	98.9
26	ENGINES & TURBINES	15.0	.C	.0	.0	10.1	670.9	797.7	8.9	39.C	225.4
27	MACHINERY & EQUIPMENTS	210.0	1091.3	402.9	395.7	714.9	326.8	5348.3	421.2	662.7	293.3
28	OFFICE MACHINES	.0	.C	.0	60.1	.0	.0	.0	2148.7	206.2	4.0
29	OTHER ELECTRICAL EQUIP.	49.0	409.3	89.0	175.7	47.9	168.4	1021.0	2174.6	9423.2	37.5
30	SHIPBUILDING & REPAIR	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
31	OTHER TRANSPORTATION EQ	.0	.0	.0	.0	105.2	.0	3.4	8.6	61.6	.0
32	INSTRUMENTS	3.8	70.2	7.0	103.4	10.4	9.9	104.6	107.9	134.4	16.1
33	MISC. MANUFACTURING	33.9	12.6	18.8	1.3	1.7	.0	8.1	40.8	44.4	.3
34	DEEPSEA FOREIGN TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
35	DEEPSEA DOMESTIC TRANS.	10.8	35.9	.6	3.4	9.7	.5	4.1	1.1	5.9	.0
36	GREAT LAKES TRANS.	12.6	8.1	.0	.3	1.2	.2	1.9	.0	3.3	.0
37	RIVER & CANAL TRANS.	5.2	21.5	2.1	.0	.1	.0	.0	.0	.C	.0
38	LOCAL WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
39	SERVICE TO WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
40	OTHER TRANS. & STORAGE	1324.3	1679.9	574.6	472.4	760.4	66.4	690.6	223.9	736.2	11.6
41	COMMUNICATIONS	83.8	137.9	59.5	132.9	168.9	30.7	267.9	115.7	385.2	21.1
42	UTILITIES	524.4	1183.1	590.1	141.4	358.5	41.9	306.7	81.1	388.1	26.2
43	WHOLESALE & RETAIL TRAD	434.1	1385.1	1103.3	776.4	870.2	270.1	1586.5	899.0	1811.5	124.6
44	FINANCE, INSURANCE & R.	401.9	354.1	341.3	426.0	649.2	53.6	1012.9	539.5	1097.9	34.0
45	SERVICES	465.7	1319.8	411.0	485.8	891.4	132.7	1062.7	513.7	1782.2	62.8
46	GOVERNMENT ENTERPRISES	15.5	35.1	12.9	19.6	28.9	6.5	51.4	21.0	69.6	4.1
47	NONCOMPETITIVE IMPORTS	.0	.C	111.7	.0	.0	8.7	31.1	.0	105.1	.0
48	DUMMY INDUSTRIES	118.0	150.5	97.3	264.9	442.3	74.2	521.1	365.0	663.7	34.9
49	EMPLOYMENT COMPENSATION	4758.0	11426.C	4339.0	5022.0	10255.0	1600.0	16188.0	5235.0	20370.C	1302.0
50	INDIRECT TAX	130.0	497.C	219.0	44.0	208.0	54.0	235.0	1.0	283.C	267.7
51	PROPERTY INCOME	2271.1	2453.6	1647.5	874.2	2826.4	558.1	3786.9	1013.1	5908.C	223.7
52	TOTAL	15327.8	35479.1	22823.6	16911.9	31910.8	5472.4	41458.7	16720.2	54436.9	3473.8
53	WATER TRANSPORTATION	28.6	65.4	2.7	3.7	11.0	.7	6.0	1.1	9.3	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY, TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
2	OTHER FARM PRODUCTS	.0	9.5	23.4	.0	.0	.0	.0	.0	.0	6.3
3	FOREST & FISH PRODUCTS	.0	.0	2.6	.0	.0	.0	.0	.0	.0	2.7
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0
7	OTHER MINING	31.5	2.7	5.0	1.4	.5	.1	.2	.1	1.0	25.3
8	CONSTRUCTION	241.1	58.8	30.6	24.9	8.7	2.1	4.7	15.2	.4	127.0
9	ORDNANCE & ACCESSORIES	60.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	22.9	1.9	.7	.1	.4	.1	1.3	238.6
11	TEXTILES & APPAREL	1288.6	237.7	325.7	22.8	7.8	1.9	4.2	1.8	14.3	132.4
12	LUMBER & WOOD PRODUCTS	1369.3	13.1	269.7	.0	.0	.0	.0	.0	.0	109.4
13	PAPER & PRODUCTS	228.6	217.4	530.5	4.7	1.7	.3	.9	.4	2.8	121.9
14	PRINTING & PUBLISHING	4.3	.0	.0	.8	.2	.0	.1	.0	.4	80.6
15	CHEMICALS & PRODUCTS	101.3	354.4	60.6	.0	.0	.0	.0	.0	.0	74.4
16	OTHER CHEMICAL PRODUCTS	277.3	5.6	54.3	12.7	4.4	1.1	2.4	1.0	8.1	72.2
17	PETROLEUM REFINING	184.5	17.9	29.5	62.4	21.7	5.3	11.7	5.0	39.8	2363.0
18	RUBBER & PLASTICS	2053.7	394.5	812.7	5.1	1.8	.4	.8	.4	3.0	398.7
19	LEATHER & PRODUCTS	4.9	.0	62.6	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	658.3	98.2	47.9	7.0	2.5	.6	1.2	.6	4.5	31.7
21	STONE & CLAY PRODUCTS	236.1	27.6	31.1	1.1	.3	.1	.2	.1	.6	17.9
22	PRIMARY IRON & STEEL	5740.6	286.7	395.7	23.4	8.2	2.0	4.4	1.9	14.9	413.5
23	PRIM. NONFERROUS METALS	1737.0	510.0	423.0	22.9	7.9	2.0	4.2	1.9	14.5	35.4
24	HTNG, PLMNG & STR. META	394.2	5.4	2.6	.0	.0	.0	.0	.0	.0	25.9
25	OTHER FABRICATED METALS	6754.1	534.5	304.2	60.3	20.9	5.0	11.2	4.8	38.2	264.9
26	ENGINES & TURBINES	662.6	.0	.0	4.6	1.6	.4	.9	.4	2.8	125.0
27	MACHINERY & EQUIPMENTS	2725.1	160.7	9.4	21.2	7.2	1.9	3.9	1.6	13.5	158.8
28	OFFICE MACHINES	826.2	.0	3.2	.0	.0	.0	.0	.0	.0	13.5
29	OTHER ELECTRICAL EQUIP.	2387.5	597.5	147.3	3.8	1.5	.4	.7	.6	2.4	314.2
30	SHIPBUILDING & REPAIR	.0	.0	.0	70.8	8.6	.5	2.5	.5	28.7	.0
31	OTHER TRANSPORTATION EQ	26974.1	15.9	.0	102.7	52.2	12.6	29.4	12.6	82.9	969.0
32	INSTRUMENTS	557.4	1032.2	4.3	8.8	3.0	.7	1.6	.7	5.4	33.7
33	MISC. MANUFACTURING	101.2	15.5	864.3	2.7	1.0	.2	.5	.2	1.7	16.3
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	11.3	.1	8.3	.0	24.8	.0	.0	.0	.0	.0
36	GREAT LAKES TRANS.	6.2	.0	.8	.0	.0	.2	.0	.0	.0	.0
37	RIVER & CANAL TRANS.	.2	.0	3.6	.0	.0	.0	111.8	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	86.4	98.4	.0	48.7	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	270.6	243.8	8.6	18.6	1.4	21.5	.0
40	OTHER TRANS. & STORAGE	2175.1	83.0	253.4	126.4	59.5	16.0	29.4	6.3	33.1	6764.9
41	COMMUNICATIONS	318.4	133.4	66.6	20.1	7.1	1.7	3.7	1.6	12.8	798.7
42	UTILITIES	447.1	79.4	66.1	10.0	3.3	.9	1.9	.9	6.2	440.0
43	WHOLESALE & RETAIL TRAD	2882.2	521.4	564.9	.0	.0	.0	.0	.0	.0	2853.9
44	FINANCE, INSURANCE & R.	986.5	338.0	283.1	110.2	38.2	9.5	20.7	8.9	70.0	2932.4
45	SERVICES	3141.4	690.0	499.4	86.1	30.0	7.2	16.0	7.0	54.8	2656.9
46	GOVERNMENT ENTERPRISES	117.7	26.4	32.9	9.1	3.2	.7	1.6	.7	5.8	187.1
47	NONCOMPETITIVE IMPORTS	97.4	1.5	267.8	186.2	64.8	15.8	34.7	15.0	118.5	789.5
48	DUMMY INDUSTRIES	611.6	268.4	144.3	13.2	4.6	1.1	2.5	1.1	8.5	503.7
49	EMPLOYMENT COMPENSATION	23332.0	4359.0	3682.0	223.8	236.7	55.3	242.1	182.5	941.3	30563.0
50	INDIRECT TAX	1030.0	8.0	12.0	30.0	30.9	8.6	18.5	14.0	85.9	2943.0
51	PROPERTY INCOME	4229.2	1501.9	1847.1	249.4	45.3	22.2	11.5	8.8	-89.2	9151.6
52	TOTAL	95036.6	12609.1	12195.4	1887.5	1053.8	185.7	647.9	298.0	1550.4	66779.5
53	WATER TRANSPORTATION	17.7	.1	12.6	86.4	124.0	.2	160.5	.0	.0	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY, TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK & PRODUCTS	.0	.C	.0	.0	124.1	.0	.0	43.2	1724.C	.0
2	OTHER FARM PRODUCTS	2.5	2.5	29.2	56.6	575.3	6.6	.0	310.0	5643.C	.0
3	FOREST & FISH PRODUCTS	.0	11.2	302.9	278.0	50.1	.0	.0	115.6	955.C	.0
4	IRON ORES MINING	.0	.C	.0	.0	.0	.0	.0	1.0	.C	.0
5	NONFERROUS ORES MINING	.0	.C	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	3834.9	.0	.0	.0	.0	.0	.0	.C	.0
7	OTHER MINING	.0	2128.7	.0	33.3	27.4	16.6	.0	18.1	144.C	.0
8	CONSTRUCTION	91.3	318.0	919.4	1930.0	2319.3	243.2	.0	3.1	.C	128831.0
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	1.2	.0	.0	33.2	265.C	19.0
10	FOOD PRODUCTS & TOBACCO	.0	.C	51.8	.0	1044.8	.0	.0	5109.2	93596.C	.0
11	TEXTILES & APPAREL	9.8	33.8	173.6	1.9	480.6	27.2	.0	41.1	28214.0	687.0
12	LUMBER & WOOD PRODUCTS	6.9	12.7	168.4	267.9	20.3	4.7	.0	28.3	6119.C	3406.0
13	PAPER & PRODUCTS	36.0	49.4	2209.5	384.2	539.8	14.6	.0	544.9	2392.C	.0
14	PRINTING & PUBLISHING	72.5	29.3	377.5	802.4	14065.5	49.5	.0	2007.4	5764.C	.0
15	CHEMICALS & PRODUCTS	1.0	102.5	22.4	255.9	409.6	191.7	.0	43.0	681.C	.0
16	OTHER CHEMICAL PRODUCTS	27.1	55.4	125.7	747.1	2999.6	72.3	.0	163.7	10462.C	.0
17	PETROLEUM REFINING	112.4	1689.3	1881.7	613.8	1046.2	89.3	.0	5.6	14403.C	.0
18	RUBBER & PLASTICS	43.1	54.6	1010.5	292.7	1796.9	28.1	.0	37.9	3810.C	40.0
19	LEATHER & PRODUCTS	.0	.C	10.9	.0	225.9	2.0	.0	84.4	5128.C	.0
20	GLASS & PRODUCTS	1.1	4.3	211.5	63.7	282.0	1.8	.0	7.4	564.C	.0
21	STONE & CLAY PRODUCTS	19.8	118.7	86.5	252.7	425.1	13.9	.0	17.1	471.C	.0
22	PRIMARY IRON & STEEL	1.7	88.3	.0	31.9	13.3	.0	.0	5.4	4.C	.0
23	PRIM. NONFERROUS METALS	35.1	57.3	.0	123.9	6.1	2.1	.0	9.0	21.C	44.0
24	MTNG, FLMNG & STR. META	64.6	118.2	.0	811.5	.0	13.5	.0	2.5	93.0	1094.0
25	OTHER FABRICATED METALS	3.7	177.1	394.8	250.1	3186.6	19.4	.0	31.9	1609.C	474.0
26	ENGINES & TURBINES	.0	.C	.0	.0	196.5	.0	.0	.7	223.C	1398.0
27	MACHINERY & EQUIPMENTS	2.2	74.5	39.9	124.8	1730.6	26.8	.0	57.0	929.C	16155.0
28	OFFICE MACHINES	5.1	6.6	.0	9.6	711.7	7.0	.0	21.8	867.C	7047.0
29	OTHER ELECTRICAL EQUIP.	803.8	195.3	75.1	601.4	1600.0	27.0	.0	289.5	13059.C	7467.0
30	SHIPBUILDING & REPAIR	.0	.C	.0	.0	.0	4.6	.0	.0	.C	836.1
31	OTHER TRANSPORTATION EQ	6.3	7.3	59.1	.0	2744.5	12.3	.0	34.7	34339.C	20603.9
32	INSTRUMENTS	4.9	1.4	.0	11.7	1836.0	5.0	.0	371.2	1962.C	3208.0
33	MISC. MANUFACTURING	6.8	4.C	148.5	122.1	1528.6	4.5	.0	608.9	6887.C	745.0
34	DEEPSEA FOREIGN TRANS.	.0	.C	.0	.0	.0	25.7	.0	.0	437.2	.0
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.0	.7	.0	81.7	30.7	.0
36	GREAT LAKES TRANS.	.0	.C	.0	.0	.0	.2	.0	2.6	27.6	.0
37	RIVER & CANAL TRANS.	.0	.C	.0	.0	.0	.3	.0	5.3	10.7	.0
38	LOCAL WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	28.4	.0
39	SERVICE TO WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	314.4	.0
40	OTHER TRANS. & STORAGE	48.5	63.6	1723.5	414.2	673.0	1478.7	.0	7979.7	14883.C	1110.0
41	COMMUNICATIONS	603.4	240.9	3341.8	1826.9	8224.1	42.1	.0	.5	12640.C	1781.0
42	UTILITIES	303.6	13648.9	4112.8	1069.1	3692.3	258.9	.0	13.9	21899.C	.0
43	WHOLESALE & RETAIL TRAD	443.0	662.8	6649.8	2857.6	8793.8	112.1	.0	1213.3	164275.C	8152.0
44	FINANCE, INSURANCE & R.	1105.3	932.5	19057.5	27912.4	14068.5	542.1	.0	2.7	146943.C	.0
45	SERVICES	3030.0	1113.7	19003.0	11785.7	18102.7	721.8	.0	3095.7	121089.0	.0
46	GOVERNMENT ENTERPRISES	184.5	242.1	2832.5	1856.2	1960.3	5.5	.0	23.6	3145.C	.0
47	NONCOMPETITIVE IMPORTS	215.9	.9	72.6	139.1	111.3	561.6	.0	2.3	7481.C	.0
48	DUMMY INDUSTRIES	532.2	431.3	4326.0	2485.5	5354.6	100.4	.0	9.9	.C	.0
49	EMPLOYMENT COMPENSATION	13634.0	9533.C	107377.0	71769.0	88762.0	11495.0	.0	.0	.C	.0
50	INDIRECT TAX	3971.0	3901.C	39783.0	36093.0	2969.0	1.0	.0	.0	.C	.0
51	PROPERTY INCOME	10017.4	16348.1	31735.4	105916.6	40912.4	2523.2	.0	.0	.C	.0
52	TOTAL	35446.6	56294.3	248313.6	237612.6	233611.4	18752.9	.0	22478.3	733532.C	203098.0
53	WATER TRANSPORTATION	.0	.0	.0	.0	.0	26.9	.0	89.6	534.6	.0

TABLE 1, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	51	52	53	54	55	56	57	58
1	LIVESTOCK & PRODUCTS	553.0	171.0	4.0	6.0	30.0	-402.0	43343.9	.0
2	OTHER FARM PRODUCTS	184.0	4471.0	9.0	-280.0	228.0	-1108.0	40792.6	.0
3	FOREST & FISH PRODUCTS	-2.0	30.0	11.0	2.0	69.0	-1031.0	7052.6	.0
4	IRON ORES MINING	-8.0	92.0	-40.0	.0	.0	-551.0	1141.8	.0
5	NONFERROUS ORES MINING	188.0	29.0	24.0	56.0	.0	-213.0	2914.4	.0
6	CRUDE OIL & NATURAL GAS	-59.0	40.0	.0	.0	.0	-3156.0	17574.2	.0
7	OTHER MINING	-21.0	850.0	29.0	10.0	294.0	-299.0	9018.5	2.4
8	CONSTRUCTION	.0	.0	.0	307.0	2532.0	.0	199179.2	55.7
9	ORDNANCE & ACCESSORIES	156.0	396.0	4366.0	1398.0	25.0	-137.0	7105.1	.0
10	FOOD PRODUCTS & TOBACCO	963.0	3436.0	137.0	834.0	1060.0	-6167.0	127805.4	3.2
11	TEXTILES & APPAREL	1868.0	861.0	360.0	74.0	224.0	-4425.0	60875.3	38.6
12	LUMBER & WOOD PRODUCTS	52.0	847.0	94.0	146.0	720.0	-2773.0	33447.2	.0
13	PAPER & PRODUCTS	234.0	987.0	63.0	82.0	370.0	-1791.0	27593.5	8.0
14	PRINTING & PUBLISHING	213.0	303.0	128.0	119.0	1219.0	-254.0	29773.9	1.1
15	CHEMICALS & PRODUCTS	-17.0	2305.0	960.0	717.0	236.0	-1164.0	26619.2	.0
16	OTHER CHEMICAL PRODUCTS	10.0	748.0	111.0	110.0	1327.0	-346.0	20908.6	21.5
17	PETROLEUM REFINING	153.0	423.0	632.0	200.0	840.0	-2180.0	38943.2	106.1
18	RUBBER & PLASTICS	425.0	1307.0	304.0	62.0	405.0	-1498.0	30907.2	8.5
19	LEATHER & PRODUCTS	42.0	95.0	14.0	5.0	6.0	-1338.0	5707.8	.0
20	GLASS & PRODUCTS	83.0	191.0	9.0	11.0	107.0	-371.0	5606.8	11.9
21	STONE & CLAY PRODUCTS	-15.0	226.0	32.0	10.0	104.0	-680.0	14919.7	1.9
22	PRIMARY IRON & STEEL	-104.0	754.0	167.0	5.0	6.0	-3454.0	35782.9	39.9
23	PRIM. NONFERROUS METALS	521.0	686.0	15.0	100.0	.0	-1913.0	24178.9	38.8
24	MTNG, PLMNG & STR. META	249.0	387.0	170.0	71.0	111.0	-136.0	15768.8	.0
25	OTHER FABRICATED METALS	-83.0	1080.0	240.0	93.0	113.0	-1178.0	32042.4	102.2
26	ENGINES & TURBINES	-22.0	719.0	312.0	87.0	22.0	-261.0	5600.9	7.8
27	MACHINERY & EQUIPMENTS	780.0	5115.0	674.0	244.0	527.0	-2464.0	42118.5	35.8
28	OFFICE MACHINES	31.0	2133.0	294.0	553.0	677.0	-866.0	16028.7	.0
29	OTHER ELECTRICAL EQUIP.	124.0	3361.0	8353.0	1068.0	781.0	-4718.0	54011.3	6.9
30	SHIPBUILDING & REPAIR	142.1	71.7	1444.6	324.8	.0	-41.7	2893.7	82.8
31	OTHER TRANSPORTATION EQ	596.9	6866.3	7174.4	961.2	1530.0	-12530.3	94103.0	209.5
32	INSTRUMENTS	67.0	1329.0	741.0	380.0	813.0	-962.0	12861.4	14.8
33	MISC. MANUFACTURING	267.0	682.0	44.0	60.0	340.0	-1398.0	12086.4	4.7
34	DEEPSEA FOREIGN TRANS.	.0	418.1	726.4	155.0	.0	-264.0	1499.3	.9
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	1.2	.0	1564.6	24.8
36	GREAT LAKES TRANS.	.0	4.6	.0	.0	.0	.0	374.1	.2
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	2.4	.0	847.1	111.8
38	LOCAL WATER TRANS.	.0	.0	.0	.0	74.5	.0	394.7	233.5
39	SERVICE TO WATER TRANS.	.0	537.3	166.6	.0	.0	.0	1582.8	543.0
40	OTHER TRANS. & STORAGE	143.0	3629.0	1966.0	928.0	2009.0	-1444.0	77289.9	237.6
41	COMMUNICATIONS	.0	.0	340.0	234.0	1139.0	.0	35765.3	34.2
42	UTILITIES	.0	.0	201.0	61.0	2876.0	.0	58943.3	17.0
43	WHOLESALE & RETAIL TRAD	381.0	4027.0	1048.0	591.0	2248.0	.0	249826.8	.0
44	FINANCE, INSURANCE & R.	.0	.0	103.0	278.0	2014.0	.0	242565.3	187.5
45	SERVICES	.0	.0	2806.0	3171.0	12105.0	.0	238104.0	146.4
46	GOVERNMENT ENTERPRISES	.0	.0	159.0	-18.0	532.0	.0	12613.1	15.3
47	NONCOMPETITIVE IMPORTS	.0	.0	3621.0	1329.0	3.0	-17990.5	.0	316.5
48	DUMMY INDUSTRIES	.0	.0	61.0	90.0	489.0	.0	22779.5	22.6
49	EMPLOYMENT COMPENSATION	.0	.0	.0	.0	.0	.0	562888.7	940.4
50	INDIRECT TAX	.0	.0	.0	.0	.0	.0	110513.6	102.0
51	PROPERTY INCOME	.0	.0	.0	.0	.0	.0	332344.2	337.2
52	TOTAL	8095.0	49608.0	38074.0	14635.0	38209.0	-79504.5	3048603.1	4072.8
53	WATER TRANSPORTATION	.0	422.7	726.4	155.0	78.0	-264.0	4679.7	.0

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1972

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	.219795	.066064	.037442	.000000	.000000	.000000	.000000	.000000	.000000	.218972
2	OTHER FARM PRODUCTS	.358349	.038136	.007535	.000000	.000000	.000000	.000000	.000839	.000000	.095753
3	FOREST & FISH PRODUCTS	.018505	.046179	.023352	.000000	.000000	.000510	.000000	.001521	.000000	.007651
4	IRON ORES MINING	.000000	.000000	.000000	.061882	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.006945	.201617	.000000	.000222	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.025028	.000193	.000000	.000000	.000000
7	OTHER MINING	.000104	.003976	.000000	.002830	.000000	.000000	.111303	.003481	.000150	.000438
8	CONSTRUCTION	.006772	.014307	.000273	.023223	.016344	.004002	.010665	.285553	.001909	.002794
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.073460	.000000
10	FOOD PRODUCTS & TOBACCO	.101991	.000000	.018436	.000000	.000000	.000000	.000000	.000000	.000000	.173159
11	TEXTILES & APPAREL	.000208	.001996	.025293	.001657	.000000	.000457	.006008	.002124	.002190	.001186
12	LUMBER & WOOD PRODUCTS	.000062	.001091	.002577	.003631	.015043	.000000	.005596	.049635	.005742	.001123
13	PAPER & PRODUCTS	.000308	.000036	.029355	.000000	.000000	.000071	.003198	.001687	.004126	.027362
14	PRINTING & PUBLISHING	.000121	.000215	.000000	.000000	.000000	.000000	.000000	.000000	.000076	.000696
15	CHEMICALS & PRODUCTS	.002085	.066042	.004927	.023563	.054015	.010193	.022035	.000874	.012442	.003667
16	OTHER CHEMICAL PRODUCTS	.001097	.000000	.000497	.000000	.000000	.000799	.000000	.004679	.000000	.002423
17	PETROLEUM REFINING	.003553	.027276	.009737	.002936	.004589	.002868	.014972	.010012	.001453	.002033
18	RUBBER & PLASTICS	.000871	.005106	.001220	.011400	.008858	.002892	.011040	.005769	.010332	.011466
19	LEATHER & PRODUCTS	.000273	.000000	.000214	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.000131	.000000	.000000	.000000	.000000	.000000	.000000	.001292	.000281	.013057
21	STONE & CLAY PRODUCTS	.000050	.000627	.000000	.000669	.004123	.009428	.003036	.048675	.000886	.000000
22	PRIMARY IRON & STEEL	.000000	.000000	.000000	.030860	.044352	.014701	.017282	.007796	.066868	.000121
23	PRIM. NONFERROUS METALS	.000021	.000023	.000000	.002915	.000995	.000000	.002770	.015598	.028627	.000041
24	HTNG, PLMNG & STR. META	.000000	.000000	.000000	.000000	.000000	.005070	.000991	.055889	.000000	.000000
25	OTHER FABRICATED METALS	.001675	.001744	.016857	.003229	.005107	.006370	.013333	.010945	.017400	.030303
26	ENGINES & TURBINES	.000000	.000000	.001467	.004259	.009243	.005417	.008991	.000693	.000574	.000000
27	MACHINERY & EQUIPMENTS	.000431	.015858	.000453	.027773	.082219	.021701	.042510	.006477	.013887	.002679
28	OFFICE MACHINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.006339	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000356	.001327	.000455	.001924	.000380	.014827	.003157	.016062	.028269	.000042
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000183	.000404	.005098	.004805	.003555	.000000	.000000	.014178	.047496	.000043
32	INSTRUMENTS	.000000	.000000	.000000	.000000	.000000	.000822	.000000	.001963	.005288	.000124
33	MISC. MANUFACTURING	.000039	.000044	.001086	.000000	.000000	.000041	.000000	.000995	.000000	.000099
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000012	.000267	.000668	.000000	.000291	.016475	.006784	.000000	.000026	.000660
36	GREAT LAKES TRANS.	.000000	.000333	.000000	.064620	.000000	.000006	.013169	.000000	.000000	.000144
37	RIVER & CANAL TRANS.	.000000	.003352	.002944	.016028	.002616	.002679	.018656	.000000	.000000	.000150
38	LOCAL WATER TRANS.	.000000	.000004	.003636	.000443	.000000	.000039	.000100	.000000	.000000	.000013
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.037642	.096509	.038763	.155672	.037895	.052559	.420235	.003455	.012489	.023741
41	COMMUNICATIONS	.002154	.002422	.000274	.001920	.004114	.001220	.001877	.002376	.010075	.003625
42	UTILITIES	.002454	.005577	.000694	.035603	.046021	.012574	.032541	.000422	.003907	.006741
43	WHOLESALE & RETAIL TRAD	.037858	.057621	.023374	.017330	.024898	.015089	.029350	.062638	.024078	.040238
44	FINANCE, INSURANCE & R.	.018733	.078343	.033127	.110007	.072131	.209473	.066398	.009073	.005630	.012344
45	SERVICES	.010563	.050263	.003270	.053744	.029823	.026330	.042860	.037619	.029834	.040100
46	GOVERNMENT ENTERPRISES	.000090	.000114	.000000	.001259	.001846	.000644	.000975	.000366	.001324	.001113
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.008097	.000000	.000000	.000000	.000227	.000000	.000000	.015673
48	DUMMY INDUSTRIES	.001012	.001649	.013064	.004178	.013565	.008953	.006690	.005697	.018089	.005500
	COLUMN TOTAL	.827516	.590905	.314183	.679324	.683639	.471256	.916956	.674949	.426909	.750652
	U.S. MERCHANT MARINE	.000012	.003956	.007248	.081092	.002907	.019199	.038708	.000000	.000026	.000967

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1972

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.009767	.000000	.000000	.000000	.000000	.000978	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.014262	.000000	.000000	.000000	.003204	.005939	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.002615	.055467	.000000	.000000	.000509	.000273	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.002191	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.002131	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.001802	.000000	.421300	.000000	.000000	.000000
7	OTHER MINING	.000487	.000298	.006617	.000000	.030297	.001877	.002852	.002514	.000424	.016568
8	CONSTRUCTION	.002137	.005504	.006553	.003833	.007290	.003796	.012590	.004715	.001770	.009040
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000919	.000000	.004997	.000000	.004964	.014708	.000730	.003553	.000300	.000000
11	TEXTILES & APPAREL	.429856	.026574	.009092	.004978	.001049	.000676	.000104	.032604	.067884	.001067
12	LUMBER & WOOD PRODUCTS	.000471	.271445	.061205	.000000	.003634	.000555	.000071	.002468	.012494	.011066
13	PAPER & PRODUCTS	.008803	.007729	.261746	.144014	.011643	.031646	.005684	.025475	.018987	.054463
14	PRINTING & PUBLISHING	.000359	.000019	.000270	.115428	.000072	.001976	.000070	.000000	.000000	.000000
15	CHEMICALS & PRODUCTS	.012774	.009497	.033940	.019566	.202251	.101066	.018413	.146603	.013467	.024684
16	OTHER CHEMICAL PRODUCTS	.001130	.007162	.001037	.000671	.002430	.051749	.003100	.003689	.011732	.004414
17	PETROLEUM REFINING	.001072	.005419	.008960	.001529	.088453	.003431	.225083	.000624	.001164	.001863
18	RUBBER & PLASTICS	.066132	.020986	.025897	.006866	.009617	.059631	.001965	.161797	.084055	.030614
19	LEATHER & PRODUCTS	.002898	.000235	.000026	.000024	.000039	.000000	.000019	.000309	.196322	.000000
20	GLASS & PRODUCTS	.001205	.003878	.000000	.000000	.000389	.013429	.000000	.002345	.000000	.064963
21	STONE & CLAY PRODUCTS	.000105	.006152	.000982	.000000	.002435	.001681	.001854	.000718	.000350	.013055
22	PRIMARY IRON & STEEL	.000000	.016491	.001229	.000509	.004147	.000643	.000257	.002116	.000000	.000000
23	PRIM. NONFERROUS METALS	.000000	.002525	.000440	.001060	.012569	.001691	.000950	.000874	.000000	.005121
24	MTNG, FLMNG & STR. META	.000000	.000475	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000216
25	OTHER FABRICATED METALS	.000767	.034365	.010360	.001626	.017391	.042541	.004272	.011430	.017661	.000637
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
27	MACHINERY & EQUIPMENTS	.004769	.004650	.007648	.001607	.019497	.001208	.003495	.008633	.004920	.002930
28	OFFICE MACHINES	.000000	.000188	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000147	.000704	.000159	.000079	.001190	.000088	.000509	.000102	.000889	.000256
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000251	.000000	.000000	.000000	.000000	.000000	.000503	.000000	.000000
32	INSTRUMENTS	.000513	.000459	.000253	.010417	.000336	.000304	.000674	.000232	.000653	.000460
33	MISC. MANUFACTURING	.007069	.000677	.000170	.001539	.000000	.000050	.000000	.003154	.006578	.001424
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000078	.001283	.000116	.000032	.001422	.000478	.016764	.000629	.000601	.000375
36	GREAT LAKES TRANS.	.000000	.000213	.000469	.000000	.000023	.000000	.000251	.000000	.000016	.001045
37	RIVER & CANAL TRANS.	.000000	.001001	.000084	.000000	.002419	.000000	.003102	.000040	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000317	.000000	.000000	.000005	.000000	.000316	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.011886	.056894	.053742	.013494	.057087	.025069	.038169	.035324	.008326	.063149
41	COMMUNICATIONS	.003771	.004002	.003837	.012903	.004312	.005236	.000920	.005379	.004759	.003713
42	UTILITIES	.008302	.008887	.021754	.006049	.038297	.004581	.017044	.015275	.006465	.041518
43	WHOLESALE & RETAIL TRAD	.037551	.044989	.039669	.031939	.029604	.038047	.012575	.041736	.060424	.031532
44	FINANCE, INSURANCE & R.	.016986	.018217	.019040	.049823	.033291	.037335	.033937	.022793	.024145	.023868
45	SERVICES	.018844	.025843	.027252	.051578	.039106	.159078	.030749	.037505	.031370	.032675
46	GOVERNMENT ENTERPRISES	.002002	.001086	.001024	.014589	.001140	.002142	.000708	.000933	.003719	.001257
47	NONCOMPETITIVE IMPORTS	.001360	.000102	.000000	.000121	.002025	.003128	.000072	.008979	.001559	.000000
48	DUMMY INDUSTRIES	.005299	.006260	.004697	.017225	.006665	.016481	.001310	.010784	.007975	.009049
	COLUMN TOTAL	.674357	.652243	.613314	.511500	.644927	.631508	.859934	.593832	.589008	.451044
	U.S. MERCHANT MARINE	.000078	.002814	.000669	.000032	.003870	.000478	.020454	.000669	.000617	.001420

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY, DIRECT REQUIREMENTS, 1972

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000628	.042069	.000086	.000000	.000000	.000000	.000000	.000000	.000020	.000000
5	NONFERROUS ORES MINING	.000624	.001172	.087559	.000000	.000000	.000000	.000000	.000000	.000097	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.077246	.034274	.000887	.000111	.000431	.000648	.000221	.000145	.000190	.000192
8	CONSTRUCTION	.009632	.012161	.003787	.004220	.003967	.004009	.003329	.002359	.002712	.004937
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000217	.000031	.000641	.000000	.000000	.000000	.000000	.000000	.000000	.000000
11	TEXTILES & APPAREL	.006350	.000829	.001287	.001063	.001706	.000591	.001151	.001203	.001449	.001624
12	LUMBER & WOOD PRODUCTS	.002879	.003275	.005198	.002399	.005354	.000000	.002716	.001698	.009535	.014129
13	PAPER & PRODUCTS	.018369	.000943	.001472	.007524	.012732	.004201	.001466	.005609	.009371	.000600
14	PRINTING & PUBLISHING	.000169	.000121	.000546	.000067	.008582	.000000	.000035	.007044	.001383	.000000
15	CHEMICALS & PRODUCTS	.014821	.013559	.009615	.001139	.007693	.000447	.000563	.001971	.006217	.000155
16	OTHER CHEMICAL PRODUCTS	.001039	.000352	.000349	.010873	.009259	.001152	.001144	.002794	.002042	.001904
17	PETROLEUM REFINING	.006179	.003812	.002687	.003103	.001942	.003670	.004047	.001635	.001636	.002767
18	RUBBER & PLASTICS	.010023	.001151	.013257	.002570	.015970	.001971	.010291	.012843	.025694	.001926
19	LEATHER & PRODUCTS	.000206	.000064	.000290	.000000	.000071	.000233	.000139	.000110	.000196	.000000
20	GLASS & PRODUCTS	.000000	.000000	.000000	.008519	.000764	.000000	.000000	.000000	.010225	.004559
21	STONE & CLAY PRODUCTS	.127296	.004244	.001885	.002423	.003338	.011152	.006968	.006670	.006548	.007003
22	PRIMARY IRON & STEEL	.011210	.209428	.006704	.258858	.236492	.123828	.116113	.044846	.035180	.091664
23	PRIM. NONFERROUS METALS	.001728	.019557	.384058	.084040	.060275	.060605	.023974	.038561	.045298	.031509
24	MTNG, FLMNG & STR. META	.000000	.000000	.000000	.034436	.000000	.002412	.005226	.002529	.000240	.073970
25	OTHER FABRICATED METALS	.010310	.022076	.008715	.055077	.054268	.034833	.022405	.044692	.031845	.034161
26	ENGINES & TURBINES	.001004	.000000	.000000	.000000	.000315	.119778	.018939	.000558	.000723	.077900
27	MACHINERY & EQUIPMENTS	.014073	.030499	.016663	.025092	.022312	.058355	.126982	.026277	.012271	.101341
28	OFFICE MACHINES	.000000	.000000	.000000	.003808	.000000	.000000	.000000	.134056	.003818	.001366
29	OTHER ELECTRICAL EQUIP.	.003265	.011437	.003680	.011143	.001494	.030073	.024242	.135672	.174467	.012970
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000000	.000000	.000000	.003284	.000000	.000080	.000538	.001141	.000000
32	INSTRUMENTS	.000257	.001963	.000291	.006555	.000324	.001764	.002484	.006730	.002488	.005565
33	MISC. MANUFACTURING	.002273	.000353	.000779	.000085	.000052	.000000	.000193	.002546	.000822	.000053
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000690	.000914	.000022	.000212	.000291	.000089	.000092	.000064	.000101	.000000
36	GREAT LAKES TRANS.	.000808	.000206	.000000	.000018	.000035	.000030	.000042	.000000	.000057	.000000
37	RIVER & CANAL TRANS.	.000335	.000548	.000081	.000000	.000004	.000000	.000000	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.084891	.042813	.022023	.029704	.022889	.011323	.015491	.013252	.012536	.003966
41	COMMUNICATIONS	.005614	.003855	.002459	.008427	.005270	.005488	.006361	.007217	.007132	.007252
42	UTILITIES	.035150	.033062	.024406	.008964	.011189	.007483	.007281	.005060	.007185	.009040
43	WHOLESALE & RETAIL TRAD	.029093	.038707	.045629	.049236	.027156	.048226	.037667	.056084	.033540	.043048
44	FINANCE, INSURANCE & R.	.026935	.009896	.014117	.027014	.020261	.009562	.024648	.033659	.020327	.011735
45	SERVICES	.031215	.036864	.016997	.031806	.027819	.023687	.025705	.032050	.032996	.021687
46	GOVERNMENT ENTERPRISES	.001038	.000982	.000533	.001240	.000901	.001152	.001221	.001312	.001288	.001400
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.004620	.000000	.000000	.001553	.000738	.000000	.001946	.000000
48	DUMMY INDUSTRIES	.007911	.004206	.004024	.016802	.013804	.013253	.012371	.022771	.012288	.012072
	COLUMN TOTAL	.543557	.585443	.685546	.695528	.580293	.581568	.503727	.652553	.515005	.580633
	U.S. MERCHANT MARINE	.001833	.001668	.000102	.000230	.000331	.000118	.000134	.000064	.000158	.000000

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1972

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000053
2	OTHER FARM PRODUCTS	.000000	.000740	.001934	.000000	.000000	.000000	.000000	.000000	.000000	.000062
3	FOREST & FISH PRODUCTS	.000000	.000000	.000211	.000000	.000000	.000000	.000000	.000000	.000000	.000035
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000197	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000233
7	OTHER MINING	.000334	.000211	.000411	.000949	.000303	.000317	.000280	.000300	.000615	.000328
8	CONSTRUCTION	.002563	.004574	.002532	.016638	.005571	.005702	.005583	.038534	.000275	.001643
9	ORDNANCE & ACCESSORIES	.000646	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.001893	.001282	.000461	.000321	.000426	.000304	.000801	.003087
11	TEXTILES & APPAREL	.013693	.018479	.026951	.015231	.005017	.005178	.004934	.004649	.009065	.001713
12	LUMBER & WOOD PRODUCTS	.014551	.001021	.022316	.000000	.000000	.000000	.000000	.000000	.000000	.001416
13	PAPER & PRODUCTS	.002429	.016901	.043895	.003108	.001059	.000830	.001100	.001049	.001765	.001577
14	PRINTING & PUBLISHING	.000046	.000000	.000000	.000535	.000128	.000000	.000118	.000000	.000223	.001043
15	CHEMICALS & PRODUCTS	.001077	.027554	.005017	.000000	.000000	.000000	.000000	.000000	.000000	.000962
16	OTHER CHEMICAL PRODUCTS	.002947	.000439	.004495	.000439	.002821	.002884	.002779	.002485	.005088	.000934
17	PETROLEUM REFINING	.001960	.001395	.002439	.041632	.013861	.014129	.013768	.012698	.025118	.030573
18	RUBBER & PLASTICS	.021824	.030675	.067242	.003383	.001125	.001107	.000978	.001049	.001918	.005159
19	LEATHER & PRODUCTS	.000052	.000000	.005178	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.006995	.007638	.003960	.004677	.001590	.001512	.001469	.001433	.002849	.000410
21	STONE & CLAY PRODUCTS	.002509	.002148	.002569	.000733	.000211	.000294	.000259	.000278	.000407	.000231
22	PRIMARY IRON & STEEL	.061003	.022289	.032741	.015623	.005265	.005307	.005155	.004778	.009414	.005349
23	PRIM. NONFERROUS METALS	.016459	.039654	.035000	.015251	.005069	.005232	.004965	.004698	.009159	.000458
24	MTNG, PLMNG & STR. META	.004189	.000422	.000217	.000000	.000000	.000000	.000000	.000000	.000000	.000335
25	OTHER FABRICATED METALS	.071774	.041560	.025168	.040198	.013361	.013377	.013258	.012115	.024142	.003428
26	ENGINES & TURBINES	.007042	.000000	.000000	.003042	.001002	.001143	.001009	.001083	.001795	.001617
27	MACHINERY & EQUIPMENTS	.028958	.012497	.000780	.014140	.004610	.004966	.004644	.004153	.008502	.002055
28	OFFICE MACHINES	.008780	.000000	.000262	.000000	.000000	.000000	.000000	.000000	.000000	.000175
29	OTHER ELECTRICAL EQUIP.	.025371	.046456	.012184	.002541	.000931	.001198	.000794	.001419	.001494	.004065
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.047219	.005484	.001363	.002895	.001177	.018137	.000000
31	OTHER TRANSPORTATION EQ	.286644	.001237	.000000	.066501	.033335	.033629	.034742	.031925	.052374	.012538
32	INSTRUMENTS	.005923	.080253	.000359	.005869	.001924	.001857	.001913	.001760	.003432	.000436
33	MISC. MANUFACTURING	.001076	.001209	.071506	.001813	.000626	.000581	.000642	.000551	.001048	.000211
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000556	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000106	.000009	.000612	.000000	.015838	.000000	.000000	.000000	.000000	.000000
36	GREAT LAKES TRANS.	.000058	.000000	.000056	.000000	.000000	.000581	.000000	.000000	.000000	.000000
37	RIVER & CANAL TRANS.	.000002	.000000	.000267	.000000	.000000	.000000	.132021	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.045002	.062866	.000000	.057479	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.153478	.155810	.022954	.021939	.003580	.013611	.000000
40	OTHER TRANS. & STORAGE	.020398	.006006	.018796	.071672	.038049	.042721	.034673	.015968	.020931	.085921
41	COMMUNICATIONS	.003384	.010376	.005514	.013379	.004511	.004634	.004385	.004079	.008074	.010334
42	UTILITIES	.004751	.006173	.005471	.006675	.002132	.002301	.002286	.002181	.003907	.005693
43	WHOLESALE & RETAIL TRAD	.030628	.040542	.046739	.000000	.000000	.000000	.000000	.000000	.000000	.036924
44	FINANCE, INSURANCE & R.	.010483	.026277	.023426	.073506	.024425	.025307	.024419	.022505	.044253	.037940
45	SERVICES	.033383	.053647	.041319	.057427	.019185	.019307	.018916	.017727	.034618	.034376
46	GOVERNMENT ENTERPRISES	.001251	.002052	.002722	.006084	.002036	.001935	.001860	.001651	.003648	.002421
47	NONCOMPETITIVE IMPORTS	.001035	.000117	.022157	.124190	.041391	.042373	.040917	.038131	.074859	.010215
48	DUMMY INDUSTRIES	.006499	.020868	.011943	.008790	.002966	.002977	.002958	.002822	.005364	.006518
	COLUMN TOTAL	.702823	.523617	.548282	.875006	.473517	.266018	.443604	.235083	.386884	.310451
	U.S. MERCHANT MARINE	.000166	.000009	.000935	.049002	.079260	.000581	.189500	.000000	.000000	.000000

TABLE 2, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS, 1972

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000521	.000000	.000000	.001896
2	OTHER FARM PRODUCTS	.000070	.000043	.000117	.000233	.002416	.000527	.000000	.013607
3	FOREST & FISH PRODUCTS	.000000	.000191	.001212	.001146	.000210	.000000	.000000	.005074
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000044
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.065061	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.000000	.036114	.000000	.000137	.000115	.000000	.000000	.000796
8	CONSTRUCTION	.002553	.005394	.003880	.007957	.009741	.019280	.000000	.000136
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000005	.000000	.000000	.001453
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.000207	.000000	.004388	.000000	.000000	.224290
11	TEXTILES & APPAREL	.000275	.000571	.000615	.000008	.002018	.002155	.000000	.001806
12	LUMBER & WOOD PRODUCTS	.000143	.000211	.000671	.001187	.000085	.000376	.000000	.001244
13	PAPER & PRODUCTS	.001027	.000838	.003844	.001581	.012267	.001100	.000000	.023921
14	PRINTING & PUBLISHING	.002076	.000496	.001511	.003308	.059075	.003922	.000000	.008123
15	CHEMICALS & PRODUCTS	.000088	.001731	.000090	.001081	.001720	.015195	.000000	.001886
16	OTHER CHEMICAL PRODUCTS	.000711	.000646	.000503	.002080	.012598	.005731	.000000	.007187
17	PETROLEUM REFINING	.001181	.022666	.007532	.002531	.004394	.007077	.000000	.000248
18	RUBBER & PLASTICS	.001264	.000927	.000405	.001207	.007547	.002330	.000000	.001661
19	LEATHER & PRODUCTS	.000231	.000001	.000044	.000000	.000949	.000160	.000000	.003704
20	GLASS & PRODUCTS	.000091	.000071	.000247	.002263	.001184	.000165	.000000	.000326
21	STONE & CLAY PRODUCTS	.000555	.002014	.000346	.001041	.001181	.001101	.000000	.000750
22	PRIMARY IRON & STEEL	.000066	.001558	.000000	.000131	.000056	.000004	.000000	.000233
23	PRIM. NONFERROUS METALS	.000991	.000471	.000070	.000511	.000024	.000184	.000000	.000394
24	MTNG, ELMNG & STR. MET	.001817	.001066	.000070	.003211	.000000	.001024	.000000	.000117
25	OTHER FABRICATED METAL	.000115	.003005	.001570	.000171	.001188	.001136	.000000	.001399
26	ENGINES & TURBINES	.000200	.000010	.000000	.000000	.000821	.000005	.000000	.000030
27	MACHINERY & EQUIPMENT	.000266	.001233	.000140	.000511	.007264	.003126	.000000	.000504
28	OFFICE MACHINES	.000114	.000112	.000000	.000060	.002987	.000551	.000000	.000956
29	OTHER ELECTRICAL EQUIP.	.022267	.003313	.000303	.002419	.006720	.002140	.000000	.012710
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000365	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000177	.000183	.000216	.000000	.011526	.000971	.000000	.001525
32	INSTRUMENTS	.000136	.000017	.000000	.000048	.007111	.000399	.000000	.016267
33	MISC. MANUFACTURING	.000115	.000068	.000394	.000504	.006420	.000354	.000000	.026731
34	DEEPSEA FOREIGN TRANS.	.000410	.000000	.000000	.000000	.000000	.002038	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000000	.000000	.000000	.000000	.000000	.000055	.000000	.003585
36	GREAT LAKES TRANS.	.000000	.000000	.000000	.000000	.000000	.000014	.000000	.000116
37	RIVER & CANAL TRANS.	.000000	.000000	.000000	.000000	.000000	.000028	.000000	.000231
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.001356	.001079	.006899	.001708	.002826	.117238	.000000	.350304
41	COMMUNICATIONS	.016871	.004068	.013377	.007531	.034540	.003338	.000000	.000024
42	UTILITIES	.008487	.231560	.016463	.004407	.015507	.020529	.000000	.000610
43	WHOLESALE & RETAIL TRAD	.011386	.011245	.026617	.011781	.036933	.008890	.000000	.053264
44	FINANCE, INSURANCE & R.	.030905	.015820	.076283	.115072	.059086	.042977	.000000	.000119
45	SERVICES	.084719	.018895	.076065	.048588	.076028	.057228	.000000	.135899
46	GOVERNMENT ENTERPRISES	.005157	.004107	.011338	.007652	.008233	.000436	.000000	.001037
47	NONCOMPETITIVE IMPORTS	.006036	.000015	.000291	.000573	.000468	.044525	.000000	.000101
48	DUMMY INDUSTRIES	.014881	.007318	.017316	.010247	.022488	.007958	.000000	.000434
	COLUMN TOTAL	.218764	.449792	.277865	.246900	.424050	.375307	.000000	.986780
	U.S. MERCHANT MARINE	.000000	.000000	.000000	.000000	.000000	.002135	.000000	.003932

TABLE 3, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1972

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	1.379184	.099662	.063404	.002297	.003420	.002015	.003508	.003255	.003060	.379147
2	OTHER FARM PRODUCTS	.532659	1.080093	.036490	.002394	.003438	.001975	.003460	.004241	.002904	.268242
3	FOREST & FISH PRODUCTS	.054655	.056218	1.028111	.001393	.002736	.001408	.001757	.008711	.001440	.031398
4	IRON ORES MINING	.000675	.000807	.000533	1.066860	.004966	.001616	.002603	.003107	.005372	.001062
5	NONFERROUS ORES MINING	.000901	.001122	.000598	.011344	1.255204	.001117	.002667	.006871	.007610	.001210
6	CRUDE OIL & NATURAL GAS	.020094	.028079	.010054	.015913	.019882	1.033315	.029347	.014235	.006555	.014655
7	OTHER MINING	.006915	.010654	.002288	.011279	.012936	.004596	1.133314	.017425	.007520	.006854
8	CONSTRUCTION	.030873	.030251	.005659	.044056	.038857	.012676	.027425	1.409418	.009873	.021006
9	ORDNANCE & ACCESSORIES	.000025	.000024	.000036	.000037	.000053	.000030	.000045	.000055	1.079379	.000032
10	FOOD PRODUCTS & TOBACCO	.176483	.018790	.036672	.006380	.009919	.005857	.009703	.007626	.006898	1.263663
11	TEXTILES & APPAREL	.008517	.009799	.048896	.008739	.005890	.003398	.018828	.015972	.010236	.010317
12	LUMBER & WOOD PRODUCTS	.006621	.006785	.009238	.011762	.032490	.003231	.015284	.101389	.014733	.011025
13	PAPER & PRODUCTS	.017060	.011079	.047163	.008052	.010047	.006120	.015655	.016972	.014218	.059942
14	PRINTING & PUBLISHING	.009827	.009338	.004733	.009949	.009988	.007358	.011609	.010255	.008352	.019294
15	CHEMICALS & PRODUCTS	.056240	.097745	.016711	.042092	.096396	.018781	.044021	.017395	.028729	.042368
16	OTHER CHEMICAL PRODUCTS	.004899	.003352	.002273	.003773	.003678	.003560	.004355	.011701	.002643	.007114
17	PETROLEUM REFINING	.042578	.060710	.021697	.025523	.030698	.013414	.056348	.029196	.011551	.029048
18	RUBBER & PLASTICS	.014035	.014338	.010787	.022835	.022892	.008797	.027225	.023979	.023619	.028889
19	LEATHER & PRODUCTS	.000717	.000301	.000627	.000286	.000352	.000208	.000378	.000421	.000337	.000442
20	GLASS & PRODUCTS	.003367	.001006	.000999	.001159	.001063	.000867	.001388	.004516	.002002	.018489
21	STONE & CLAY PRODUCTS	.003673	.004296	.001218	.005587	.011696	.013416	.008359	.081802	.004099	.003255
22	PRIMARY IRON & STEEL	.012040	.012812	.010967	.062233	.105457	.034800	.055552	.066085	.118049	.021384
23	PRIM. NONFERROUS METALS	.006575	.007548	.004837	.016711	.020086	.008995	.019344	.060409	.066565	.009582
24	HTNG, FLMNG & STR. META	.002565	.002715	.000739	.003864	.003952	.007411	.004278	.082355	.001357	.001867
25	OTHER FABRICATED METALS	.016801	.011919	.023947	.015942	.022085	.014081	.029980	.037438	.035624	.049713
26	ENGINES & TURBINES	.001102	.001448	.002189	.007298	.016697	.007435	.014608	.002628	.002409	.000971
27	MACHINERY & EQUIPMENTS	.016734	.027032	.005379	.044519	.130682	.031220	.066319	.025565	.030650	.016115
28	OFFICE MACHINES	.000692	.000735	.000302	.001025	.000852	.000545	.000992	.011588	.001327	.000681
29	OTHER ELECTRICAL EQUIP.	.006315	.007343	.003174	.010740	.011624	.023484	.015080	.036850	.045356	.005448
30	SHIPBUILDING & REPAIR	.000026	.000039	.000031	.000204	.000035	.000164	.000195	.000017	.000011	.000026
31	OTHER TRANSPORTATION EQ	.006089	.006502	.009853	.018349	.010865	.004154	.015078	.031362	.074598	.005259
32	INSTRUMENTS	.001516	.001643	.000910	.002212	.002391	.002339	.005768	.008468	.002032	.002032
33	MISC. MANUFACTURING	.001550	.001570	.002498	.001742	.001951	.001364	.002130	.003678	.001804	.001964
34	DEEPSEA FOREIGN TRANS.	.000010	.000010	.000005	.000012	.000014	.000019	.000010	.000008	.000006	.000012
35	DEEPSEA DOMESTIC TRANS.	.001603	.002157	.001430	.001016	.001762	.017722	.009540	.001292	.000719	.001955
36	GREAT LAKES TRANS.	.000372	.000590	.000121	.069299	.000560	.000205	.015158	.000566	.000505	.000501
37	RIVER & CANAL TRANS.	.002831	.005213	.003879	.020350	.004738	.003473	.024918	.000903	.000553	.001840
38	LOCAL WATER TRANS.	.000485	.000669	.000463	.001727	.000419	.001366	.002178	.000211	.000095	.000375
39	SERVICE TO WATER TRANS.	.000328	.000474	.000330	.002234	.000400	.002889	.002425	.000240	.000139	.000365
40	OTHER TRANS. & STORAGE	.142793	.150071	.069330	.213281	.095586	.079220	.552199	.055693	.049245	.106556
41	COMMUNICATIONS	.013419	.011971	.004586	.012617	.014758	.008315	.016913	.013599	.017572	.015252
42	UTILITIES	.023317	.024361	.009451	.071233	.096113	.026879	.066336	.023527	.022444	.029967
43	WHOLESALE & RETAIL TRAD	.115355	.094208	.045225	.051012	.067972	.035246	.081456	.127471	.054447	.108253
44	FINANCE, INSURANCE & R.	.117131	.140063	.061368	.172622	.142174	.263557	.146410	.059067	.033636	.087333
45	SERVICES	.088956	.099373	.029148	.106040	.088419	.063029	.113154	.104068	.069046	.111113
46	GOVERNMENT ENTERPRISES	.004282	.004160	.001904	.005749	.006448	.004381	.006590	.004534	.003906	.005434
47	NONCOMPETITIVE IMPORTS	.005702	.003563	.010499	.007363	.002744	.002800	.009330	.002439	.001933	.022349
48	DUMMY INDUSTRIES	.012754	.012081	.018215	.015238	.028479	.017110	.021650	.020626	.027404	.017906
	COLUMN TOTAL	2.971358	2.174740	1.672566	2.238340	2.453864	1.805953	2.713667	2.567330	1.921003	2.841786
	WATER TRANSPORTATION	.005300	.008638	.009498	.092405	.007493	.022785	.051813	.002981	.001880	.004683
	MULTIPLIER	2.767356	1.981668	1.849307	1.853750	2.374883	1.711478	1.877161	2.567249	2.022527	2.834767

TABLE 3. MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1972

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.029486	.008128	.005525	.003812	.005286	.012249	.002547	.005883	.005398	.002544
2	OTHER FARM PRODUCTS	.039266	.006433	.004868	.003688	.008466	.016129	.002546	.006232	.006227	.002521
3	FOREST & FISH PRODUCTS	.006112	.079426	.007634	.002029	.002474	.002752	.001386	.001944	.002936	.002106
4	IRON ORES MINING	.000555	.002482	.001066	.000524	.004332	.001556	.001342	.001427	.000838	.000560
5	NONFERROUS ORES MINING	.000823	.002071	.001259	.000971	.007357	.002270	.001459	.002085	.001075	.001716
6	CRUDE OIL & NATURAL GAS	.010060	.012787	.018929	.006825	.076380	.016602	.568907	.019521	.008708	.013426
7	OTHER MINING	.006180	.006971	.016715	.005255	.049673	.011993	.010453	.015253	.005754	.027710
8	CONSTRUCTION	.012366	.017746	.019917	.013917	.023598	.016849	.033765	.016728	.010484	.020114
9	ORDNANCE & ACCESSORIES	.000031	.000034	.000028	.000047	.000034	.000055	.000031	.000040	.000035	.000031
10	FOOD PRODUCTS & TOBACCO	.012667	.009732	.015079	.010804	.015057	.032248	.007435	.015006	.009202	.007133
11	TEXTILES & APPAREL	1.766570	.073275	.032630	.018007	.007649	.010973	.004536	.073238	.160864	.009563
12	LUMBER & WOOD PRODUCTS	.007188	1.378604	.118053	.021513	.012823	.010440	.005939	.012518	.028417	.026615
13	PAPER & PRODUCTS	.034060	.028354	1.365592	.226831	.029265	.063354	.017637	.053566	.047626	.087259
14	PRINTING & PUBLISHING	.008224	.008483	.008262	1.140995	.009822	.022386	.009594	.009527	.008879	.007256
15	CHEMICALS & PRODUCTS	.063278	.034757	.074538	.046054	1.270504	.160178	.044810	.231193	.058432	.050692
16	OTHER CHEMICAL PRODUCTS	.004998	.013487	.005129	.003933	.006869	1.060418	.008061	.008096	.018910	.007548
17	PETROLEUM REFINING	.017755	.024421	.034993	.016160	.158549	.032687	1.308457	.036742	.015536	.019564
18	RUBBER & PLASTICS	.146993	.048253	.053465	.023141	.023797	.087918	.012168	1.209080	.146405	.048360
19	LEATHER & PRODUCTS	.006730	.000942	.000422	.000414	.000358	.000554	.000283	.001024	1.245223	.000272
20	GLASS & PRODUCTS	.003378	.006793	.001425	.000909	.001531	.016721	.001060	.004072	.001583	1.070274
21	STONE & CLAY PRODUCTS	.002282	.012419	.005039	.002281	.007846	.005595	.012427	.004156	.002724	.018707
22	PRIMARY IRON & STEEL	.009016	.053280	.019770	.009205	.030200	.026190	.027349	.019654	.016011	.009497
23	PRIM. NONFERROUS METALS	.005761	.017006	.009227	.007499	.035227	.016243	.011594	.012927	.008054	.014026
24	HTNG, PLMNG & STR. META	.001255	.002277	.001863	.001415	.002699	.001674	.006077	.001673	.001137	.002028
25	OTHER FABRICATED METALS	.009757	.059584	.026857	.011181	.033441	.060898	.018702	.025898	.032954	.009140
26	ENGINES & TURBINES	.000724	.001074	.001118	.000567	.002397	.001034	.004698	.001144	.000681	.000984
27	MACHINERY & EQUIPMENTS	.016449	.016193	.020033	.008932	.039978	.014320	.026284	.023304	.015109	.010944
28	OFFICE MACHINES	.000449	.000851	.000574	.000562	.000693	.001084	.000816	.000585	.000487	.000527
29	OTHER ELECTRICAL EQUIP.	.004142	.006225	.005016	.004904	.009261	.006520	.016719	.005327	.005245	.004462
30	SHIPBUILDING & REPAIR	.000014	.000036	.000021	.000018	.000077	.000024	.000299	.000027	.000019	.000020
31	OTHER TRANSPORTATION EQ	.002887	.005615	.004324	.003242	.005539	.006161	.006830	.004803	.002962	.003961
32	INSTRUMENTS	.002306	.002269	.001859	.014575	.002393	.003541	.003252	.002076	.002468	.001863
33	MISC. MANUFACTURING	.015230	.003163	.001988	.003963	.001672	.003237	.001604	.006208	.011953	.003134
34	DEEPSEA FOREIGN TRANS.	.000014	.000012	.000011	.000041	.000014	.000016	.000029	.000011	.000018	.000010
35	DEEPSEA DOMESTIC TRANS.	.000977	.002790	.001601	.000769	.006338	.001945	.032111	.002335	.001576	.001412
36	GREAT LAKES TRANS.	.000168	.000604	.000984	.000233	.001047	.000348	.000592	.000357	.000201	.001596
37	RIVER & CANAL TRANS.	.000633	.002362	.001112	.000427	.005607	.001037	.006865	.001328	.000489	.000944
38	LOCAL WATER TRANS.	.000138	.001048	.000245	.000096	.000801	.000210	.002860	.000251	.000154	.000170
39	SERVICE TO WATER TRANS.	.000175	.000513	.000303	.000143	.001155	.000342	.005254	.000409	.000268	.000263
40	OTHER TRANS. & STORAGE	.056865	.122101	.118216	.056661	.134478	.078909	.112526	.091895	.046417	.113034
41	COMMUNICATIONS	.014047	.013704	.013441	.022863	.014488	.019482	.010742	.015291	.014579	.011056
42	UTILITIES	.033811	.032067	.054521	.026118	.082094	.032379	.050810	.047839	.028093	.072618
43	WHOLESALE & RETAIL TRAD	.094865	.093334	.084905	.065424	.069152	.080335	.049913	.082900	.109396	.059852
44	FINANCE, INSURANCE & R.	.068873	.066706	.067391	.095122	.105246	.095799	.211676	.073617	.071081	.060767
45	SERVICES	.073405	.077788	.078492	.100511	.098119	.229423	.097085	.092484	.085635	.071166
46	GOVERNMENT ENTERPRISES	.006664	.004906	.004779	.019860	.005306	.007232	.005378	.004774	.008393	.004254
47	NONCOMPETITIVE IMPORTS	.005731	.003742	.002919	.002615	.005833	.006771	.004398	.013507	.005332	.002564
48	DUMMY INDUSTRIES	.016043	.018823	.015646	.028191	.018767	.031307	.016098	.022813	.020390	.017440
	COLUMN TOTAL	2.623423	2.383889	2.327853	2.037185	2.433691	2.310384	2.785423	2.280768	2.274400	1.901861
	WATER TRANSPORTATION	.001929	.006816	.003952	.001564	.013806	.003556	.042456	.004281	.002435	.004130
	MULTIPLIER	2.634949	2.289973	2.327660	2.039601	2.421744	2.352493	2.602250	2.199848	2.431346	1.836800

TABLE 3, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1972

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.002700	.002030	.002648	.003519	.003009	.002806	.002546	.004238	.002829	.002866
2	OTHER FARM PRODUCTS	.002695	.002069	.002543	.003376	.002924	.002640	.002414	.003958	.002717	.002705
3	FOREST & FISH PRODUCTS	.001332	.001223	.001764	.001507	.001562	.001032	.001110	.001561	.001860	.002113
4	IRON ORES MINING	.002497	.058150	.002225	.017112	.015133	.009819	.008749	.004993	.003638	.009037
5	NONFERROUS ORES MINING	.002425	.008305	.179378	.019307	.014036	.015205	.007378	.011583	.011459	.010651
6	CRUDE OIL & NATURAL GAS	.016879	.014534	.014322	.011503	.010305	.009391	.008568	.007897	.007455	.008762
7	OTHER MINING	.106005	.055622	.009004	.019277	.017971	.013495	.011109	.008326	.007396	.011904
8	CONSTRUCTION	.023470	.030642	.019149	.020829	.018366	.016586	.013973	.013284	.011925	.017674
9	ORDNANCE & ACCESSORIES	.000033	.000028	.000031	.000051	.000045	.000043	.000038	.000066	.000041	.000042
10	FOOD PRODUCTS & TOBACCO	.007346	.005734	.007625	.010347	.008685	.008356	.007474	.012636	.008095	.008242
11	TEXTILES & APPAREL	.018568	.006268	.008761	.007500	.009063	.005412	.006453	.008889	.009479	.008145
12	LUMBER & WOOD PRODUCTS	.011909	.011709	.019491	.012509	.015808	.007019	.009318	.011635	.021913	.025902
13	PAPER & PRODUCTS	.036490	.009371	.011555	.022375	.029062	.015472	.010299	.024334	.025763	.011467
14	PRINTING & PUBLISHING	.008279	.008735	.008401	.011199	.019045	.008751	.007994	.021128	.010601	.008632
15	CHEMICALS & PRODUCTS	.034702	.032492	.042991	.022496	.030671	.014663	.013765	.020749	.026772	.013730
16	OTHER CHEMICAL PRODUCTS	.003966	.003378	.003198	.015560	.013058	.004264	.003957	.007297	.005527	.006016
17	PETROLEUM REFINING	.027986	.022063	.021215	.016952	.016555	.015954	.014988	.013483	.012517	.014452
18	RUBBER & PLASTICS	.023661	.011406	.034639	.017050	.030700	.013750	.022004	.034240	.046680	.013982
19	LEATHER & PRODUCTS	.000605	.000371	.000855	.000432	.000461	.000686	.000504	.000658	.000640	.000382
20	GLASS & PRODUCTS	.000855	.000961	.000869	.010753	.001864	.001231	.001124	.003156	.014119	.006703
21	STONE & CLAY PRODUCTS	1.149276	.010199	.007417	.008554	.008609	.019014	.012699	.013535	.012021	.014166
22	PRIMARY IRON & STEEL	.035050	1.294717	.043897	.379884	.335438	.217561	.194010	.109692	.078724	.200314
23	PRIM. NONFERROUS METALS	.012119	.052738	1.633703	.168895	.121418	.134358	.063474	.102884	.101026	.093197
24	HTNG, FLMNG & STR. META	.002274	.002692	.001997	1.037761	.001827	.004713	.007574	.004633	.001568	.079040
25	OTHER FABRICATED METALS	.022064	.039481	.024506	.079859	1.074413	.056901	.039572	.072307	.050487	.059310
26	ENGINES & TURBINES	.003685	.002677	.003539	.002143	.002221	1.138803	.025539	.002559	.002126	.092114
27	MACHINERY & EQUIPMENTS	.030359	.056692	.054773	.055728	.048095	.093645	1.160939	.050546	.028318	.139839
28	OFFICE MACHINES	.000633	.000767	.000548	.005281	.000623	.000709	.000638	1.156239	.005836	.002531
29	OTHER ELECTRICAL EQUIP.	.010675	.024358	.013069	.027063	.012215	.051233	.041201	.197815	1.217891	.031324
30	SHIPBUILDING & REPAIR	.000038	.000042	.000015	.000022	.000020	.000015	.000014	.000013	.000012	1.000014
31	OTHER TRANSPORTATION EQ	.005569	.005420	.004144	.004632	.008562	.003328	.003118	.004765	.004913	.003160
32	INSTRUMENTS	.001903	.004406	.002015	.010217	.002868	.004454	.005012	.011335	.005005	.009053
33	MISC. MANUFACTURING	.004351	.001936	.002807	.002332	.001973	.001808	.001851	.005706	.002860	.001868
34	DEEPSEA FOREIGN TRANS.	.000011	.000011	.000010	.000012	.000010	.000010	.000009	.000012	.000010	.000010
35	DEEPSEA DOMESTIC TRANS.	.002507	.002372	.001001	.001470	.001424	.001026	.000939	.000894	.000825	.000907
36	GREAT LAKES TRANS.	.002531	.004791	.000303	.001507	.001362	.000935	.000833	.000512	.000472	.000835
37	RIVER & CANAL TRANS.	.003089	.003368	.001246	.001260	.001164	.000834	.000708	.000573	.000522	.000771
38	LOCAL WATER TRANS.	.000366	.000390	.000157	.000191	.000182	.000130	.000117	.000107	.000103	.000168
39	SERVICE TO WATER TRANS.	.000527	.000564	.000195	.000298	.000285	.000204	.000185	.000168	.000155	.000182
40	OTHER TRANS. & STORAGE	.177758	.115673	.073492	.094357	.079040	.058516	.056012	.061552	.050618	.050857
41	COMMUNICATIONS	.014686	.013243	.012080	.019472	.014344	.014681	.014518	.018726	.015866	.016839
42	UTILITIES	.069813	.073455	.075765	.046638	.046030	.036767	.031028	.030213	.029720	.037115
43	WHOLESALE & RETAIL TRAD	.063284	.076515	.103039	.101286	.070331	.092973	.073329	.105733	.069737	.088438
44	FINANCE, INSURANCE & R.	.076255	.058835	.072640	.077666	.061888	.048921	.060396	.084560	.057496	.052264
45	SERVICES	.078217	.089366	.070075	.094296	.080731	.073314	.069060	.091893	.077828	.072114
46	GOVERNMENT ENTERPRISES	.004554	.004647	.004579	.005469	.004436	.004601	.004297	.005660	.004448	.004862
47	NONCOMPETITIVE IMPORTS	.003265	.002751	.009511	.003031	.002609	.004045	.002760	.002859	.004580	.002177
48	DUMMY INDUSTRIES	.018116	.014896	.017495	.030231	.024602	.025424	.022654	.039306	.023431	.025129
	COLUMN TOTAL	2.125419	2.244113	2.624683	2.507250	2.265044	2.255500	2.046272	2.388905	2.078042	2.262066
	WATER TRANSPORTATION	.008503	.010932	.002716	.004440	.004141	.002935	.002606	.002098	.001931	.002652
	MULTIPLIER	2.076823	2.273171	2.785706	2.336343	2.276343	2.309736	2.080773	2.291683	2.064065	1.884420

TABLE 3, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1972

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.003324	.004372	.004918	.003623	.001627	.001219	.001483	.001134	.002033	.002817
2	OTHER FARM PRODUCTS	.003431	.005227	.006890	.003834	.001627	.001232	.001487	.001183	.002034	.002470
3	FOREST & FISH PRODUCTS	.002771	.001525	.003761	.001448	.000619	.000467	.000579	.000691	.000702	.000795
4	IRON ORES MINING	.007561	.002846	.002979	.003267	.001338	.001000	.001213	.000972	.001744	.000700
5	NONFERROUS ORES MINING	.006267	.010073	.008100	.005702	.002324	.001770	.002109	.001773	.003036	.000604
6	CRUDE OIL & NATURAL GAS	.009056	.006827	.008859	.033051	.013836	.010912	.012735	.009530	.017630	.021679
7	OTHER MINING	.010890	.007276	.007295	.007285	.003005	.002296	.002735	.002580	.003819	.002368
8	CONSTRUCTION	.015367	.015113	.012214	.036196	.015698	.011268	.016469	.057002	.005757	.006741
9	ORDNANCE & ACCESSORIES	.001015	.000656	.000039	.001116	.000060	.000047	.000658	.000044	.000072	.000034
10	FOOD PRODUCTS & TOBACCO	.007963	.011307	.011526	.009992	.004263	.003155	.003977	.002897	.005307	.008371
11	TEXTILES & APPAREL	.041932	.041866	.063019	.037165	.015636	.012257	.014331	.011160	.020340	.005633
12	LUMBER & WOOD PRODUCTS	.035277	.009614	.043333	.009924	.004309	.003180	.004104	.006178	.004463	.004370
13	PAPER & PRODUCTS	.018401	.037462	.026963	.015963	.006757	.004883	.006308	.005129	.008381	.007303
14	PRINTING & PUBLISHING	.010908	.011646	.009437	.012440	.005165	.003870	.004729	.003614	.006535	.007190
15	CHEMICALS & PRODUCTS	.023902	.057022	.027389	.014926	.006346	.004891	.005812	.004765	.007964	.007105
16	OTHER CHEMICAL PRODUCTS	.008738	.004163	.005692	.014473	.006028	.004686	.005511	.004315	.007832	.002879
17	PETROLEUM REFINING	.015661	.015661	.015946	.071863	.030107	.023748	.027683	.020648	.038379	.047153
18	RUBBER & PLASTICS	.052792	.054051	.102571	.020192	.006893	.006902	.008101	.006769	.010893	.010789
19	LEATHER & PRODUCTS	.000608	.000552	.007503	.000477	.000201	.000156	.000185	.000148	.000256	.000178
20	GLASS & PRODUCTS	.012269	.010510	.005980	.007903	.003373	.002486	.002969	.002390	.004375	.001157
21	STONE & CLAY PRODUCTS	.008851	.006158	.006083	.006482	.002627	.002024	.002559	.004505	.002637	.001750
22	PRIMARY IRON & STEEL	.167015	.060145	.064192	.071928	.029413	.021980	.026645	.021300	.038367	.015189
23	PRIM. NONFERROUS METALS	.071974	.086840	.071761	.050298	.020495	.015615	.018597	.015636	.026784	.005044
24	MTNG, PLMNG & STR. META	.007543	.001969	.001460	.007509	.002293	.001361	.001934	.003908	.002639	.001377
25	OTHER FABRICATED METALS	.122975	.059416	.040189	.068621	.029069	.022158	.026773	.020636	.037832	.009352
26	ENGINES & TURBINES	.013292	.001178	.000780	.010803	.003516	.002447	.002922	.002217	.005111	.002597
27	MACHINERY & EQUIPMENTS	.064599	.027960	.012294	.035279	.015214	.011499	.013658	.010463	.020575	.006675
28	OFFICE MACHINES	.015046	.000892	.000919	.002096	.001031	.000795	.000995	.001094	.001151	.000766
29	OTHER ELECTRICAL EQUIP.	.054705	.067059	.020774	.016374	.007277	.005580	.006615	.006680	.008656	.008910
30	SHIPBUILDING & REPAIR	.000016	.000012	.000020	.050128	.008601	.001794	.003892	.001250	.018401	.000015
31	OTHER TRANSPORTATION EQ	1.406204	.005427	.003449	.115119	.064733	.051006	.063373	.047490	.076716	.020864
32	INSTRUMENTS	.011519	1.089510	.002213	.010351	.004261	.003171	.003917	.003036	.005537	.001665
33	MISC. MANUFACTURING	.003911	.003960	1.079508	.004461	.001894	.001420	.001779	.001377	.002370	.001263
34	DEEPSEA FOREIGN TRANS.	.000012	.000012	.000014	1.000023	.000574	.000007	.000009	.000006	.000012	.000010
35	DEEPSEA DOMESTIC TRANS.	.001082	.000846	.001524	.002100	1.016973	.000691	.000810	.000620	.001120	.001285
36	GREAT LAKES TRANS.	.000806	.000348	.000434	.000382	.000158	1.000701	.000144	.000123	.000203	.000105
37	RIVER & CANAL TRANS.	.000744	.000585	.000917	.000731	.000304	.000235	1.152380	.000230	.000387	.000356
38	LOCAL WATER TRANS.	.000143	.000104	.000184	.049212	.063993	.000069	.066302	1.000064	.000111	.000122
39	SERVICE TO WATER TRANS.	.000209	.000157	.000274	.156135	.160973	.023403	.026005	.003736	1.013991	.000215
40	OTHER TRANS. & STORAGE	.075160	.046999	.062086	.119933	.062911	.059365	.059959	.029833	.043063	1.109171
41	COMMUNICATIONS	.014803	.020221	.014504	.025463	.010693	.008414	.009707	.007386	.013561	.015913
42	UTILITIES	.033336	.027093	.028211	.029070	.011973	.009389	.011193	.008860	.015285	.015369
43	WHOLESALE & RETAIL TRAD	.064904	.076028	.086157	.039693	.016985	.013199	.015704	.014822	.019495	.052937
44	FINANCE, INSURANCE & R.	.057186	.067595	.064539	.133140	.056351	.044564	.051928	.039151	.072480	.067861
45	SERVICES	.098294	.104002	.089546	.117841	.049603	.038453	.045484	.036208	.062916	.060981
46	GOVERNMENT ENTERPRISES	.005429	.003688	.006363	.010752	.004481	.003375	.003953	.002905	.005774	.004776
47	NONCOMPETITIVE IMPORTS	.004152	.002704	.026908	.140917	.058090	.045794	.052964	.039320	.077397	.012189
48	DUMMY INDUSTRIES	.021810	.033065	.022863	.022098	.009248	.007117	.008468	.006814	.011750	.012115
	COLUMN TOTAL	2.636108	2.109075	2.145577	2.612873	1.844947	1.495953	1.801194	1.472590	1.735879	1.569166
	WATER TRANSPORTATION	.002766	.001895	.003072	1.052446	1.082003	1.001703	1.219644	1.001043	.001834	.001878
	MULTIPLIER	2.617308	2.152265	2.131207	2.156242	2.739308	3.014063	2.355046	1.949973	1.772217	1.819542

TABLE 3, MARAD 1-0 TABLE OF U. S. ECONOMY; DIRECT AND INDIRECT REQUIREMENTS, 1972

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.002200	.001731	.002705	.001773	.006280	.002000	.000000	.092297
2	OTHER FARM PRODUCTS	.002199	.001711	.002663	.001945	.007630	.002565	.000000	.079166
3	FOREST & FISH PRODUCTS	.000572	.000906	.002059	.001892	.001624	.000775	.000000	.014428
4	IRON ORES MINING	.000237	.000645	.000188	.000228	.000686	.000405	.000000	.001018
5	NONFERROUS ORES MINING	.000654	.000827	.000273	.000427	.000991	.000616	.000000	.001502
6	CRUDE OIL & NATURAL GAS	.004347	.111306	.008226	.003616	.007924	.011565	.000000	.015338
7	OTHER MINING	.001389	.055150	.002012	.001439	.003490	.004814	.000000	.005799
8	CONSTRUCTION	.007066	.015308	.009752	.015027	.020119	.031459	.000000	.014018
9	ORDNANCE & ACCESSORIES	.000034	.000026	.000039	.000025	.000071	.000027	.000000	.001615
10	FOOD PRODUCTS & TOBACCO	.006532	.005054	.007860	.005008	.016373	.005534	.000000	.292291
11	TEXTILES & APPAREL	.002165	.003663	.003482	.001559	.008778	.006392	.000000	.015247
12	LUMBER & WOOD PRODUCTS	.002234	.003263	.003824	.003946	.005594	.004499	.000000	.013615
13	PAPER & PRODUCTS	.006732	.006238	.017811	.006971	.025604	.007843	.000000	.077850
14	PRINTING & PUBLISHING	.012007	.006262	.011732	.018802	.079263	.012321	.000000	.120203
15	CHEMICALS & PRODUCTS	.003703	.010486	.005164	.004895	.014425	.024624	.000000	.028530
16	OTHER CHEMICAL PRODUCTS	.002981	.003130	.002961	.005220	.016585	.008367	.000000	.013775
17	PETROLEUM REFINING	.007459	.054853	.014643	.006669	.013408	.021213	.000000	.031186
18	RUBBER & PLASTICS	.005318	.006020	.008711	.004453	.013361	.008019	.000000	.024970
19	LEATHER & PRODUCTS	.000258	.000171	.000328	.000184	.001601	.000417	.000000	.005311
20	GLASS & PRODUCTS	.000794	.000624	.001437	.000785	.002596	.000878	.000000	.006182
21	STONE & CLAY PRODUCTS	.001871	.006051	.001770	.002703	.004618	.004012	.000000	.003958
22	PRIMARY IRON & STEEL	.005020	.013697	.003874	.004749	.014415	.007663	.000000	.020030
23	PRIM. NONFERROUS METALS	.005729	.006858	.002270	.003659	.008356	.004832	.000000	.012526
24	FBRG, PLMNG & STR. META	.002614	.004616	.001132	.004942	.001918	.003499	.000000	.001736
25	OTHER FABRICATED METALS	.004536	.009767	.005611	.004491	.023164	.007346	.000000	.025391
26	ENGINES & TURBINES	.000298	.001666	.000325	.000237	.001719	.000760	.000000	.001736
27	MACHINERY & EQUIPMENTS	.002869	.010395	.002888	.002793	.014188	.006651	.000000	.014574
28	OFFICE MACHINES	.000801	.000588	.000533	.000505	.004360	.001335	.000000	.002391
29	OTHER ELECTRICAL EQUIP.	.003172	.010164	.003582	.005609	.014966	.006763	.000000	.025043
30	SHIPBUILDING & REPAIR	.000007	.000039	.000012	.000007	.000012	.000477	.000000	.000050
31	OTHER TRANSPORTATION EQ	.002591	.002682	.002854	.001844	.019457	.006337	.000000	.014725
32	INSTRUMENTS	.001743	.001186	.001563	.001204	.011304	.001897	.000000	.022041
33	MISC. MANUFACTURING	.001701	.001096	.002250	.001669	.009208	.001667	.000000	.031803
34	DEEPSEA FOREIGN TRANS.	.000015	.000017	.000029	.000021	.000026	.002044	.000000	.000021
35	DEEPSEA DOMESTIC TRANS.	.000317	.003290	.000527	.000275	.000610	.000771	.000000	.004929
36	GREAT LAKES TRANS.	.000049	.000830	.000061	.000048	.000130	.000125	.000000	.000396
37	RIVER & CANAL TRANS.	.000112	.001800	.000176	.000115	.000275	.000356	.000000	.001113
38	LOCAL WATER TRANS.	.000033	.000343	.000059	.000036	.000069	.000181	.000000	.000447
39	SERVICE TO WATER TRANS.	.000056	.000582	.000093	.000051	.000110	.000451	.000000	.000818
40	OTHER TRANS. & STORAGE	.015275	.047692	.025144	.013998	.031356	.144211	.000000	.434846
41	COMMUNICATIONS	1.022643	.009729	.019655	.012353	.043870	.009959	.000000	.020020
42	UTILITIES	.016672	1.312158	.028203	.010919	.031403	.034734	.000000	.025543
43	WHOLESALE & RETAIL TRAD	.024430	.030368	1.040362	.022687	.061958	.027863	.000000	.123184
44	FINANCE, INSURANCE & R.	.050941	.068415	.105301	1.142473	.098301	.072707	.000000	.091077
45	SERVICES	.107932	.051222	.104070	.071496	1.121321	.086292	.000000	.225552
46	GOVERNMENT ENTERPRISES	.007260	.007265	.014059	.010008	.012655	1.002965	.000000	.006857
47	NONCOMPETITIVE IMPORTS	.007075	.001540	.001781	.001623	.002659	.046975	1.000000	.011512
48	DUMMY INDUSTRIES	.020110	.015167	.023298	.015154	.032485	.014190	.000000	1.019698
	COLUMN TOTAL	1.401752	1.906604	1.497357	1.412433	1.816318	1.651421	1.000000	2.986349
	WATER TRANSPORTATION	.000525	.006249	.000851	.000494	.001109	.003477	.000000	.000907
	MULTIPLIER	1.414356	1.996321	1.506481	1.441873	1.851248	1.110731	.000000	3.028383

TABLE 4, VARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	9526.8	2694.9	264.1	.0	.0	.0	.0	.0	.0	27985.8
2	OTHER FARM PRODUCTS	15532.2	1555.7	53.1	.0	.0	.0	.0	167.1	.0	12237.7
3	FOREST & FISH PRODUCTS	802.1	1965.3	164.7	.0	.0	9.0	.0	302.9	.0	977.9
4	IRON ORES MINING	.0	.C	.0	70.7	.0	.0	.0	.0	.C	.0
5	NONFERROUS ORES MINING	.0	.C	.0	7.9	587.6	.0	2.0	.0	.C	.0
6	CRUDE OIL & NATURAL GAS	.0	.C	.0	.0	.0	439.8	1.7	.0	.C	.0
7	OTHER MINING	4.5	162.2	.0	3.2	.0	.0	1003.8	693.3	1.1	56.0
8	CONSTRUCTION	293.5	563.6	1.9	26.5	47.6	70.3	96.2	56876.2	13.6	357.0
9	ORDNANCE & ACCESSORIES	.0	.C	.0	.0	.0	.0	.0	.0	521.9	.0
10	FOOD PRODUCTS & TOBACCO	4420.7	.C	130.0	.0	.0	.0	.0	.0	.C	22130.7
11	TEXTILES & APPAREL	9.0	81.4	178.4	1.9	.0	8.0	54.2	423.1	15.6	151.6
12	LUMBER & WOOD PRODUCTS	3.5	44.5	18.2	4.1	43.8	.0	50.5	9886.2	40.8	143.5
13	PAPER & PRODUCTS	13.4	1.5	207.0	.0	.0	1.2	28.8	336.0	29.3	3499.6
14	PRINTING & PUBLISHING	5.3	8.8	.0	.0	.0	.0	.0	.0	.5	779.1
15	CHEMICALS & PRODUCTS	90.4	2694.C	34.7	26.9	157.4	179.1	198.7	174.1	88.4	468.6
16	OTHER CHEMICAL PRODUCTS	47.6	.C	3.5	.0	.0	14.0	.0	932.0	.C	309.7
17	PETROLEUM REFINING	154.0	1112.6	68.7	3.4	13.4	50.8	135.0	1994.3	10.3	259.9
18	RUBBER & PLASTICS	37.7	208.3	8.6	13.0	25.8	50.8	99.6	1149.0	73.4	1465.5
19	LEATHER & PRODUCTS	11.8	.C	1.5	.0	.0	.0	.0	.0	.C	.0
20	GLASS & PRODUCTS	5.7	.C	.0	.0	.0	.0	.0	257.3	2.C	1668.8
21	STONE & CLAY PRODUCTS	2.2	25.6	.0	.8	12.0	165.7	27.4	9695.1	6.3	.0
22	PRIMARY IRON & STEEL	.0	.C	.0	35.3	129.3	258.4	155.9	1552.8	475.1	15.4
23	PRIM. NONFERROUS METALS	.9	1.C	.0	3.3	2.9	.0	25.0	3106.9	203.4	5.2
24	MTNG, FLMNG & STR. META	.0	.0	.0	.0	.0	89.1	8.9	11132.0	.C	.0
25	OTHER FABRICATED METALS	72.6	71.1	118.9	3.7	14.9	111.9	12C.2	2180.1	123.6	3872.9
26	ENGINES & TURBINES	.0	.C	10.3	4.9	26.9	95.2	81.1	138.0	4.1	.0
27	MACHINERY & EQUIPMENTS	18.7	646.9	3.2	31.7	239.6	381.4	383.4	1290.0	98.7	342.3
28	OFFICE MACHINES	.0	.C	.0	.0	.C	.0	.0	1262.7	.C	.0
29	OTHER ELECTRICAL EQUIP.	15.4	54.1	3.2	2.2	1.1	260.6	28.5	3199.2	200.9	5.4
30	SHIPBUILDING & REPAIR	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
31	OTHER TRANSPORTATION EQ	7.9	16.5	36.0	5.5	10.4	.0	.0	2824.0	337.5	5.5
32	INSTRUMENTS	.0	.C	.0	.0	.0	14.4	.0	390.9	37.6	15.9
33	MISC. MANUFACTURING	1.7	1.8	7.7	.0	.C	.7	.0	198.3	.C	12.7
34	DEEPSEA FOREIGN TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
35	DEEPSEA DOMESTIC TRANS.	.5	11.2	5.4	.0	.9	341.5	63.2	.0	.2	88.4
36	GREAT LAKES TRANS.	.0	13.9	.0	109.4	.0	.1	122.7	.0	.C	19.3
37	RIVER & CANAL TRANS.	.0	140.5	23.8	27.1	8.2	55.5	173.8	.0	.C	20.1
38	LOCAL WATER TRANS.	.0	.2	29.4	.8	.0	.8	.9	.0	.C	1.7
39	SERVICE TO WATER TRANS.	.0	.C	.0	.0	.0	.0	.0	.0	.C	.0
40	OTHER TRANS. & STORAGE	1646.7	4127.6	313.3	263.5	118.5	1089.6	3915.5	688.2	90.4	3180.7
41	COMMUNICATIONS	93.4	98.8	1.9	2.2	12.0	21.4	16.9	473.2	71.6	463.2
42	UTILITIES	106.3	227.5	4.9	45.2	134.1	221.0	293.5	84.0	27.8	861.5
43	WHOLESALE & RETAIL TRAD	1640.9	2350.5	164.8	19.8	72.6	265.2	264.7	12476.1	171.1	5142.6
44	FINANCE, INSURANCE & R.	812.0	3195.8	233.6	125.6	210.2	3681.3	598.8	1807.1	40.0	1577.6
45	SERVICES	457.8	2050.4	23.1	61.4	86.9	462.7	386.7	7492.8	212.C	5125.0
46	GOVERNMENT ENTERPRISES	3.9	4.6	.0	1.4	5.4	11.3	8.8	72.8	9.4	142.2
47	NONCOMPETITIVE IMPORTS	.0	.C	57.1	.0	.0	.0	.0	45.3	.C	2003.1
48	DUMMY INDUSTRIES	43.9	67.3	92.1	4.8	39.5	157.3	6C.3	1134.7	128.5	703.0
49	HOUSEHOLD SECTOR	6936.8	14913.4	3319.8	483.1	861.0	6959.2	422C.8	59574.9	3605.6	23217.3
50	VALUE ADDED	3734.5	5749.C	843.0	120.0	157.9	3303.2	547.0	5174.9	109.6	8962.0
51	COLMN TOTAL	46554.2	44880.4	6426.0	1509.1	3020.0	18770.8	13174.6	199185.5	6750.1	128274.2
	WATER TRANSPORTATION	.5	165.8	58.6	137.3	9.1	398.0	36C.7	.0	.2	129.5

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY, TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	594.5	.0	.0	.0	.0	20.4	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	868.2	.0	.0	.0	85.3	124.2	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	159.2	1855.2	.0	.0	13.5	5.7	.0	.0	.0	.0
4	IRON ORES MINING	.0	.0	.0	.0	58.3	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	56.7	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	48.0	.0	16406.8	.0	.0	.0
7	OTHER MINING	29.7	10.0	182.6	.0	806.5	39.2	111.1	77.7	2.4	92.9
8	CONSTRUCTION	130.1	184.1	180.8	114.1	194.0	79.4	490.3	145.7	10.1	50.7
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	55.9	.0	137.9	.0	132.1	307.5	28.4	109.8	1.7	.0
11	TEXTILES & APPAREL	26167.6	888.8	250.9	148.2	27.9	14.1	4.1	1007.7	387.5	6.0
12	LUMBER & WOOD PRODUCTS	28.7	9079.1	1688.9	.0	96.7	11.6	2.8	76.3	71.3	62.0
13	PAPER & PRODUCTS	535.9	258.5	7222.5	4287.9	309.9	661.7	221.3	787.4	108.4	305.5
14	PRINTING & PUBLISHING	21.9	.6	7.4	3436.7	1.9	41.3	2.7	.0	.0	.0
15	CHEMICALS & PRODUCTS	777.6	317.7	936.5	582.6	5383.8	2113.1	717.1	4531.1	76.9	138.4
16	OTHER CHEMICAL PRODUCTS	68.8	239.5	28.6	20.0	64.7	1082.0	120.7	114.0	67.0	24.7
17	PETROLEUM REFINING	65.3	181.2	247.2	45.5	2354.5	71.7	8765.7	19.3	6.6	10.6
18	RUBBER & PLASTICS	4025.8	701.9	714.6	204.4	256.0	1246.8	76.5	5000.7	479.8	171.6
19	LEATHER & PRODUCTS	176.4	7.8	.7	.7	1.0	.0	.7	9.5	1120.6	.0
20	GLASS & PRODUCTS	73.3	129.7	.0	.0	10.4	280.8	.0	72.5	.0	363.9
21	STONE & CLAY PRODUCTS	6.4	205.8	27.1	.0	64.8	35.1	72.2	22.2	2.0	73.4
22	PRIMARY IRON & STEEL	.0	551.6	33.9	15.2	110.4	13.4	10.0	65.4	.0	.0
23	PRIM. NONFERROUS METALS	.0	84.5	12.1	31.6	334.6	35.4	37.0	27.0	.0	28.7
24	HTNG, PLMNG & STR. META	.0	15.9	.0	.0	.0	.0	.0	.0	.0	1.2
25	OTHER FABRICATED METALS	46.7	1149.4	285.9	48.4	462.9	889.5	166.4	353.3	100.8	3.6
26	ENGINES & TURBINES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
27	MACHINERY & EQUIPMENTS	290.3	155.5	211.0	47.8	519.0	25.3	136.1	266.8	28.1	16.4
28	OFFICE MACHINES	.0	6.3	.0	.0	.0	.0	.0	.0	.0	.0
29	OTHER ELECTRICAL EQUIP.	9.0	23.6	4.4	2.4	31.7	1.8	19.8	3.2	5.1	1.4
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	.0	8.4	.0	.0	.0	.0	.0	15.5	.0	.0
32	INSTRUMENTS	31.2	15.3	7.0	310.2	9.0	6.4	26.3	7.2	3.7	2.6
33	MISC. MANUFACTURING	430.3	22.6	4.7	45.8	.0	1.0	.0	97.5	37.5	8.0
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	5.1	46.5	3.4	.9	39.5	10.2	690.2	20.4	4.2	2.2
36	GREAT LAKES TRANS.	.0	7.7	13.8	.0	.7	.0	10.3	.0	.1	6.2
37	RIVER & CANAL TRANS.	.0	36.2	2.5	.0	67.2	.0	127.6	1.3	.0	.0
38	LOCAL WATER TRANS.	.0	11.5	.0	.0	.1	.0	13.0	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	776.2	2133.2	1579.2	405.2	1586.1	532.8	1569.6	1144.7	58.7	377.5
41	COMMUNICATIONS	229.6	133.9	107.3	364.2	114.8	109.5	35.8	166.2	27.2	20.8
42	UTILITIES	505.4	297.3	600.3	180.1	1019.4	95.8	663.7	472.1	36.9	232.8
43	WHOLESALE & RETAIL TRAD	2285.9	1504.8	1094.6	951.0	788.0	795.5	489.7	1289.9	344.9	176.8
44	FINANCE, INSURANCE & R.	1034.0	609.3	525.4	1483.4	886.2	780.6	1321.6	704.5	137.8	133.6
45	SERVICES	1147.2	864.4	752.0	1535.7	1041.0	3326.1	1197.5	1159.2	179.1	183.2
46	GOVERNMENT ENTERPRISES	121.8	36.3	28.3	434.4	30.3	44.8	27.6	28.8	21.2	7.3
47	NONCOMPETITIVE IMPORTS	84.0	3.4	.0	3.6	53.9	65.4	2.8	277.5	8.9	.0
48	DUMMY INDUSTRIES	322.6	209.4	129.6	512.9	177.4	344.6	51.0	333.3	45.5	50.7
49	HOUSEHOLD SECTOR	18329.7	11631.3	9606.7	13568.4	8175.5	6476.0	4038.8	11831.2	1958.1	2920.9
50	VALUE ADDED	1227.6	1371.9	1065.6	940.9	1407.6	854.4	4157.0	1859.2	19.3	355.6
51	COLMN TOTAL	60662.0	34990.1	27693.3	29742.1	26821.5	20543.2	41812.2	32098.1	5351.3	5829.4
	WATER TRANSPORTATION	5.1	101.9	19.7	.9	107.5	10.2	841.1	21.7	4.3	8.5

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
2	OTHER FARM PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
3	FOREST & FISH PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
4	IRON ORES MINING	10.3	1505.4	2.1	.0	.0	.0	.0	.0	1.1	.0
5	NONFERROUS ORES MINING	9.3	41.9	2117.1	.0	.0	.0	.0	.0	5.2	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	1152.5	1226.4	21.4	1.8	15.4	3.6	9.3	2.3	10.2	.6
8	CONSTRUCTION	143.7	435.2	91.6	66.6	127.1	22.5	140.2	37.8	146.5	14.3
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	3.2	1.1	15.5	.0	.0	.0	.0	.0	.0	.0
11	TEXTILES & APPAREL	94.7	29.7	31.1	16.8	54.7	3.3	48.5	19.3	78.3	4.7
12	LUMBER & WOOD PRODUCTS	43.0	117.2	125.7	37.8	171.6	.0	114.4	27.2	515.0	40.9
13	PAPER & PRODUCTS	274.1	33.7	35.6	118.6	408.0	23.5	61.8	89.9	506.1	1.7
14	PRINTING & PUBLISHING	2.5	4.3	13.2	1.1	275.0	.0	1.5	112.9	74.7	.0
15	CHEMICALS & PRODUCTS	221.1	485.2	232.5	18.0	246.5	2.5	23.7	31.6	335.8	.6
16	OTHER CHEMICAL PRODUCTS	15.5	12.6	8.4	171.5	296.7	6.5	48.2	44.8	110.3	5.5
17	PETROLEUM REFINING	92.2	136.4	69.8	48.9	62.2	20.6	170.5	26.2	88.3	8.0
18	RUBBER & PLASTICS	149.5	41.2	320.5	40.5	511.7	11.0	433.4	205.9	1387.8	5.6
19	LEATHER & PRODUCTS	3.1	2.3	7.0	.0	2.3	1.3	5.9	1.8	10.6	.0
20	GLASS & PRODUCTS	.0	.0	.0	134.3	24.5	.0	.0	.0	552.3	13.2
21	STONE & CLAY PRODUCTS	1899.2	151.9	45.6	38.2	107.0	62.5	293.5	106.9	353.7	20.3
22	PRIMARY IRON & STEEL	167.3	7493.9	162.1	4081.9	7577.8	693.6	4890.5	718.8	1900.1	265.2
23	PRIM. NONFERROUS METALS	25.8	699.8	9286.1	1325.2	1931.4	339.4	1009.7	618.1	2446.6	91.2
24	HTNG, PLMNG & STR. META	.0	.0	.0	543.0	.0	13.5	220.1	40.5	13.0	214.0
25	OTHER FABRICATED METALS	153.8	789.9	210.7	868.5	1738.9	195.1	943.6	716.4	1720.0	98.9
26	ENGINES & TURBINES	15.0	.0	.0	.0	10.1	670.9	797.7	8.9	39.0	225.4
27	MACHINERY & EQUIPMENTS	210.0	1091.3	402.9	395.7	714.9	326.8	5348.3	421.2	662.7	293.3
28	OFFICE MACHINES	.0	.0	.0	60.1	.0	.0	.0	2148.7	206.2	4.0
29	OTHER ELECTRICAL EQUIP.	49.0	409.3	89.0	175.7	47.9	168.4	1021.0	2174.6	9423.2	37.5
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
31	OTHER TRANSPORTATION EQ	.0	.0	.0	.0	105.2	.0	3.4	8.6	61.6	.0
32	INSTRUMENTS	3.8	70.2	7.0	103.4	10.4	9.9	104.6	107.9	134.4	16.1
33	MISC. MANUFACTURING	33.9	12.6	18.8	1.3	1.7	.0	8.1	40.8	44.4	.3
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	10.8	35.9	.6	3.4	9.7	.5	4.1	1.1	5.9	.0
36	GREAT LAKES TRANS.	12.6	8.1	.0	.3	1.2	.2	1.9	.0	3.3	.0
37	RIVER & CANAL TRANS.	5.2	21.5	2.1	.0	.1	.0	.0	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
40	OTHER TRANS. & STORAGE	1324.3	1679.9	574.6	472.4	760.4	66.4	690.6	223.9	736.2	11.6
41	COMMUNICATIONS	83.8	137.9	59.5	132.9	168.9	30.7	267.9	115.7	385.2	21.1
42	UTILITIES	524.4	1183.1	590.1	141.4	358.5	41.9	306.7	81.1	388.1	26.2
43	WHOLESALE & RETAIL TRAD	434.1	1385.1	1103.3	776.4	870.2	270.1	1586.5	899.0	1811.5	124.6
44	FINANCE, INSURANCE & R.	401.9	354.1	341.3	426.0	649.2	53.6	1012.9	539.5	1097.9	34.0
45	SERVICES	465.7	1319.8	411.0	485.8	891.4	132.7	1082.7	513.7	1782.2	62.8
46	GOVERNMENT ENTERPRISES	15.5	35.1	12.9	19.6	28.9	6.5	51.4	21.0	69.6	4.1
47	NONCOMPETITIVE IMPORTS	.0	.0	111.7	.0	.0	8.7	31.1	.0	105.1	.0
48	DUMMY INDUSTRIES	118.0	150.5	97.3	264.9	442.3	74.2	521.1	365.0	663.7	34.9
49	HOUSEHOLD SECTOR	6392.3	13236.8	5530.9	5673.1	12319.1	2004.0	18966.0	5985.8	24677.6	1427.7
50	VALUE ADDED	766.8	1139.8	674.7	267.1	970.3	208.1	1237.9	263.3	1883.4	365.8
51	COLMN TOTAL	15327.8	35479.1	22823.6	16911.9	31910.8	5472.4	41458.7	16720.2	54436.9	3473.8
	WATER TRANSPORTATION	28.6	65.4	2.7	3.7	11.0	.7	6.0	1.1	9.3	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY, TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	.0	.0	.0	.0	.0	4.1
2	OTHER FARM PRODUCTS	.0	9.5	23.4	.0	.0	.0	.0	.0	.0	6.3
3	FOREST & FISH PRODUCTS	.0	.0	2.6	.0	.0	.0	.0	.0	.0	2.7
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
5	NONFERROUS ORES MINING	.0	2.5	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	.0	.0	.0	.0	.0	.0	.0	.0	18.0
7	OTHER MINING	31.5	2.7	5.0	1.4	.5	.1	.2	.1	1.0	25.3
8	CONSTRUCTION	241.1	58.8	30.6	24.9	8.7	2.1	4.7	15.2	.4	127.0
9	ORDNANCE & ACCESSORIES	60.8	.0	.0	.0	.0	.0	.0	.0	.0	.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	22.9	1.9	.7	.1	.4	.1	1.3	238.6
11	TEXTILES & APPAREL	1288.6	237.7	325.7	22.8	7.8	1.9	4.2	1.8	14.3	132.4
12	LUMBER & WOOD PRODUCTS	1369.3	13.1	269.7	.0	.0	.0	.0	.0	.0	109.4
13	PAPER & PRODUCTS	228.6	217.4	530.5	4.7	1.7	.3	.9	.4	2.8	121.9
14	PRINTING & PUBLISHING	4.3	.0	.0	.8	.2	.0	.1	.0	.4	80.6
15	CHEMICALS & PRODUCTS	101.3	354.4	60.6	.0	.0	.0	.0	.0	.0	74.4
16	OTHER CHEMICAL PRODUCTS	277.3	5.6	54.3	12.7	4.4	1.1	2.4	1.0	8.1	72.2
17	PETROLEUM REFINING	184.5	17.9	29.5	62.4	21.7	5.3	11.7	5.0	39.8	2363.0
18	RUBBER & PLASTICS	2053.7	394.5	812.7	5.1	1.8	.4	.8	.4	3.0	398.7
19	LEATHER & PRODUCTS	4.9	.0	62.6	.0	.0	.0	.0	.0	.0	.0
20	GLASS & PRODUCTS	658.3	98.2	47.9	7.0	2.5	.6	1.2	.6	4.5	31.7
21	STONE & CLAY PRODUCTS	236.1	27.6	31.1	1.1	.3	.1	.2	.1	.6	17.9
22	PRIMARY IRON & STEEL	5740.6	286.7	395.7	23.4	8.2	2.0	4.4	1.9	14.9	413.5
23	PRIM. NONFERROUS METALS	1737.0	510.0	423.0	22.9	7.9	2.0	4.2	1.9	14.5	35.4
24	HTNG, PLMNG & STR. META	394.2	5.4	2.6	.0	.0	.0	.0	.0	.0	25.9
25	OTHER FABRICATED METALS	6754.1	534.5	304.2	60.3	20.9	5.0	11.2	4.8	38.2	264.9
26	ENGINES & TURBINES	662.6	.0	.0	4.6	1.6	.4	.9	.4	2.8	125.0
27	MACHINERY & EQUIPMENTS	2725.1	160.7	9.4	21.2	7.2	1.9	3.9	1.6	13.5	158.8
28	OFFICE MACHINES	826.2	.0	3.2	.0	.0	.0	.0	.0	.0	13.5
29	OTHER ELECTRICAL EQUIP.	2387.5	597.5	147.3	3.8	1.5	.4	.7	.6	2.4	314.2
30	SHIPBUILDING & REPAIR	.0	.0	.0	70.8	8.6	.5	2.5	.5	28.7	.0
31	OTHER TRANSPORTATION EQ	26974.1	15.9	.0	102.7	52.2	12.6	29.4	12.6	82.9	969.0
32	INSTRUMENTS	557.4	1032.2	4.3	8.8	3.0	.7	1.6	.7	5.4	33.7
33	MISC. MANUFACTURING	101.2	15.5	864.3	2.7	1.0	.2	.5	.2	1.7	16.3
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.9	.0	.0	.0	.0	.0
35	DEEPSEA DOMESTIC TRANS.	11.3	.1	8.3	.0	24.8	.0	.0	.0	.0	.0
36	GREAT LAKES TRANS.	6.2	.0	.8	.0	.0	.2	.0	.0	.0	.0
37	RIVER & CANAL TRANS.	.2	.0	3.6	.0	.0	.0	111.8	.0	.0	.0
38	LOCAL WATER TRANS.	.0	.0	.0	86.4	98.4	.0	48.7	.0	.0	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	270.6	243.8	8.6	18.6	1.4	21.5	.0
40	OTHER TRANS. & STORAGE	2175.1	83.0	253.4	126.4	59.5	16.0	29.4	6.3	33.1	6764.9
41	COMMUNICATIONS	318.4	133.4	66.6	20.1	7.1	1.7	3.7	1.6	12.8	798.7
42	UTILITIES	447.1	79.4	66.1	10.0	3.3	.9	1.9	.9	6.2	440.0
43	WHOLESALE & RETAIL TRAD	2882.2	521.4	564.9	.0	.0	.0	.0	.0	.0	2853.9
44	FINANCE, INSURANCE & R.	986.5	338.0	283.1	110.2	38.2	9.5	20.7	8.9	70.0	2932.4
45	SERVICES	3141.4	690.0	499.4	86.1	30.0	7.2	16.0	7.0	54.8	2656.9
46	GOVERNMENT ENTERPRISES	117.7	26.4	32.9	9.1	3.2	.7	1.6	.7	5.8	187.1
47	NONCOMPETITIVE IMPORTS	97.4	1.5	267.8	186.2	64.8	15.8	34.7	15.0	118.5	789.5
48	DUMMY INDUSTRIES	611.6	268.4	144.3	13.2	4.6	1.1	2.5	1.1	8.5	503.7
49	HOUSEHOLD SECTOR	26588.0	5447.6	5009.2	331.3	350.4	104.8	262.8	198.1	1164.8	37244.5
50	VALUE ADDED	2053.2	421.3	531.9	172.0	-37.5	-18.7	9.4	7.1	-226.8	5413.0
51	COLMN TOTAL	95036.6	12609.1	12195.4	1887.5	1053.8	185.7	647.9	298.0	1550.4	66779.5
	WATER TRANSPORTATION	17.7	.1	12.6	86.4	124.0	.2	160.5	.0	.0	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	41	42	43	44	45	46	47	48	49	50
1	LIVESTOCK & PRODUCTS	.0	.0	.0	.0	124.1	.0	.0	43.2	1724.0	.0
2	OTHER FARM PRODUCTS	2.5	2.5	29.2	56.6	575.3	6.6	.0	310.0	5643.0	.0
3	FOREST & FISH PRODUCTS	.0	11.2	302.9	278.0	50.1	.0	.0	115.6	955.0	.0
4	IRON ORES MINING	.0	.0	.0	.0	.0	.0	.0	1.0	.0	.0
5	NONFERROUS ORES MINING	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
6	CRUDE OIL & NATURAL GAS	.0	3834.9	.0	.0	.0	.0	.0	.0	.0	.0
7	OTHER MINING	.0	2128.7	.0	33.3	27.4	16.6	.0	18.1	144.0	.0
8	CONSTRUCTION	91.3	318.0	919.4	1930.0	2319.3	243.2	.0	3.1	.0	128831.0
9	ORDNANCE & ACCESSORIES	.0	.0	.0	.0	1.2	.0	.0	33.2	265.0	19.0
10	FOOD PRODUCTS & TOBACCO	.0	.0	51.8	.0	1044.8	.0	.0	5109.2	93596.0	.0
11	TEXTILES & APPAREL	9.8	33.8	173.6	1.9	480.6	27.2	.0	41.1	28214.0	687.0
12	LUMBER & WOOD PRODUCTS	6.9	12.7	168.4	267.9	20.3	4.7	.0	28.3	6119.0	3406.0
13	PAPER & PRODUCTS	36.0	49.4	2209.5	364.2	539.8	14.6	.0	544.9	2392.0	.0
14	PRINTING & PUBLISHING	72.5	29.3	377.5	802.4	14065.5	49.5	.0	2007.4	5764.0	.0
15	CHEMICALS & PRODUCTS	1.0	102.5	22.4	255.9	409.6	191.7	.0	43.0	681.0	.0
16	OTHER CHEMICAL PRODUCTS	27.1	55.4	125.7	747.1	2999.6	72.3	.0	163.7	10462.0	.0
17	PETROLEUM REFINING	112.4	1669.3	1881.7	613.8	1046.2	89.3	.0	5.6	14403.0	.0
18	RUBBER & PLASTICS	43.1	54.6	1010.5	292.7	1796.9	28.1	.0	37.9	3810.0	40.0
19	LEATHER & PRODUCTS	.0	.0	10.9	.0	225.9	2.0	.0	84.4	5128.0	.0
20	GLASS & PRODUCTS	1.1	4.3	211.5	63.7	282.0	1.8	.0	7.4	564.0	.0
21	STONE & CLAY PRODUCTS	19.8	118.7	86.5	252.7	425.1	13.9	.0	17.1	471.0	.0
22	PRIMARY IRON & STEEL	1.7	68.3	.0	31.9	13.3	.0	.0	5.4	4.0	.0
23	PRIM. NONFERROUS METALS	35.1	57.3	.0	123.9	6.1	2.1	.0	9.0	21.0	44.0
24	HTNG, PLMNG & STR. META	64.6	118.2	.0	811.5	.0	13.5	.0	2.5	93.0	1094.0
25	OTHER FABRICATED METALS	3.7	177.1	394.8	250.1	3186.6	19.4	.0	31.9	1609.0	474.0
26	ENGINES & TURBINES	.0	.0	.0	.0	196.5	.0	.0	.7	223.0	1398.0
27	MACHINERY & EQUIPMENTS	2.2	74.5	39.9	124.8	1730.6	26.8	.0	57.0	929.0	16155.0
28	OFFICE MACHINES	5.1	6.6	.0	9.6	711.7	7.0	.0	21.8	867.0	7047.0
29	OTHER ELECTRICAL EQUIP.	803.8	195.3	75.1	601.4	1600.0	27.0	.0	289.5	13059.0	7467.0
30	SHIPBUILDING & REPAIR	.0	.0	.0	.0	.0	4.6	.0	.0	.0	836.1
31	OTHER TRANSPORTATION EQ	6.3	7.3	59.1	.0	2744.5	12.3	.0	34.7	34339.0	20603.9
32	INSTRUMENTS	4.9	1.4	.0	11.7	1836.0	5.0	.0	371.2	1962.0	3208.0
33	MISC. MANUFACTURING	6.8	4.0	148.5	122.1	1528.6	4.5	.0	608.9	6887.0	745.0
34	DEEPSEA FOREIGN TRANS.	.0	.0	.0	.0	.0	25.7	.0	.0	437.2	.0
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	.0	.7	.0	81.7	30.7	.0
36	GREAT LAKES TRANS.	.0	.0	.0	.0	.0	.2	.0	2.6	27.6	.0
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	.0	.3	.0	5.3	10.7	.0
38	LOCAL WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	28.4	.0
39	SERVICE TO WATER TRANS.	.0	.0	.0	.0	.0	.0	.0	.0	314.4	.0
40	OTHER TRANS. & STORAGE	48.5	63.6	1723.5	414.2	673.0	1478.7	.0	7979.7	14883.0	1110.0
41	COMMUNICATIONS	603.4	240.9	3341.8	1826.9	8224.1	42.1	.0	.5	12640.0	1781.0
42	UTILITIES	303.6	13648.9	4112.8	1069.1	3692.3	258.9	.0	13.9	21899.0	.0
43	WHOLESALE & RETAIL TRAD	443.0	662.8	6649.8	2857.6	8793.8	112.1	.0	1213.3	164275.0	8152.0
44	FINANCE, INSURANCE & R.	1105.3	932.5	19057.5	27912.4	14068.5	542.1	.0	2.7	146943.0	.0
45	SERVICES	3030.0	1113.7	19003.0	11785.7	18102.7	721.8	.0	3095.7	121089.0	.0
46	GOVERNMENT ENTERPRISES	184.5	242.1	2832.5	1856.2	1960.3	5.5	.0	23.6	3145.0	.0
47	NONCOMPETITIVE IMPORTS	215.9	.9	72.6	139.1	111.3	561.6	.0	2.3	7481.0	.0
48	DUMMY INDUSTRIES	532.2	431.3	4326.0	2485.5	5354.6	100.4	.0	9.9	.0	.0
49	HOUSEHOLD SECTOR	20815.2	21146.6	130758.5	112316.0	118229.1	13353.3	.0	.0	7041.0	.0
50	VALUE ADDED	6807.3	8635.4	48136.9	66862.5	14414.3	665.9	.0	.0	209004.0	.0
51	COLMN TOTAL	35446.6	56294.3	248313.6	237612.6	233611.4	18752.9	.0	22478.3	949577.0	203098.0
	WATER TRANSPORTATION	.0	.0	.0	.0	.0	26.9	.0	89.6	534.6	.0

TABLE 4, MARAD I-O TABLE OF U. S. ECONOMY; TRANSACTIONS CLOSED W. R. T. HOUSEHOLD, 1972 (IN $ MILLION OF PRODUCER PRICES)

	TITLE	51	52	53	54	55	56	57	58
1	LIVESTOCK & PRODUCTS	553.0	171.0	4.0	6.0	30.0	-402.0	43343.9	.0
2	OTHER FARM PRODUCTS	184.0	4471.0	9.0	-280.0	228.0	-1108.0	40792.6	.0
3	FOREST & FISH PRODUCTS	-2.0	30.0	11.0	2.0	69.0	-1031.0	7052.6	.0
4	IRON ORES MINING	-8.0	92.0	-40.0	.0	.0	-551.0	1141.8	.0
5	NONFERROUS ORES MINING	188.0	29.0	24.0	56.0	.0	-213.0	2914.4	.0
6	CRUDE OIL & NATURAL GAS	-59.0	40.0	.0	.0	.0	-3156.0	17574.2	.0
7	OTHER MINING	-21.0	850.0	29.0	10.0	294.0	-299.0	9018.5	2.4
8	CONSTRUCTION	.0	.0	.0	307.0	2532.0	.0	199179.2	55.7
9	ORDNANCE & ACCESSORIES	156.0	396.0	4366.0	1398.0	25.0	-137.0	7105.1	.0
10	FOOD PRODUCTS & TOBACCO	963.0	3436.0	137.0	834.0	1060.0	-6167.0	127805.4	3.2
11	TEXTILES & APPAREL	1868.0	861.0	360.0	74.0	224.0	-4425.0	60875.3	38.6
12	LUMBER & WOOD PRODUCTS	52.0	847.0	94.0	146.0	720.0	-2773.0	33447.2	.0
13	PAPER & PRODUCTS	234.0	967.0	63.0	82.0	370.0	-1791.0	27593.5	8.0
14	PRINTING & PUBLISHING	213.0	303.0	128.0	119.0	1219.0	-254.0	29773.9	1.1
15	CHEMICALS & PRODUCTS	-17.0	2305.0	960.0	717.0	236.0	-1164.0	26619.2	.0
16	OTHER CHEMICAL PRODUCTS	10.0	748.0	111.0	110.0	1327.0	-346.0	20908.6	21.5
17	PETROLEUM REFINING	153.0	423.0	632.0	200.0	840.0	-2180.0	38943.2	106.1
18	RUBBER & PLASTICS	425.0	1307.0	304.0	62.0	405.0	-1498.0	30907.2	8.5
19	LEATHER & PRODUCTS	42.0	95.0	14.0	5.0	6.0	-1338.0	5707.8	.0
20	GLASS & PRODUCTS	83.0	191.0	9.0	11.0	107.0	-371.0	5606.8	11.9
21	STONE & CLAY PRODUCTS	-15.0	226.0	32.0	10.0	104.0	-680.0	14919.7	1.9
22	PRIMARY IRON & STEEL	-104.0	754.0	167.0	5.0	6.0	-3454.0	35782.9	39.9
23	PRIM. NONFERROUS METALS	521.0	686.0	15.0	100.0	.0	-1913.0	24178.9	38.8
24	MTNG, PLMNG & STR. META	249.0	367.0	170.0	71.0	111.0	-136.0	15768.8	.0
25	OTHER FABRICATED METALS	-83.0	1080.0	240.0	93.0	113.0	-1178.0	32042.4	102.2
26	ENGINES & TURBINES	-22.0	719.0	312.0	87.0	22.0	-261.0	5600.9	7.8
27	MACHINERY & EQUIPMENTS	780.0	5115.0	674.0	244.0	527.0	-2464.0	42118.5	35.8
28	OFFICE MACHINES	31.0	2133.0	294.0	553.0	677.0	-866.0	16028.7	.0
29	OTHER ELECTRICAL EQUIP.	124.0	3361.0	8353.0	1068.0	781.0	-4718.0	54011.3	6.9
30	SHIPBUILDING & REPAIR	142.1	71.7	1444.6	324.8	.0	-41.7	2893.7	82.8
31	OTHER TRANSPORTATION EQ	596.9	6866.3	7174.4	961.2	1530.0	-12530.3	94103.0	209.5
32	INSTRUMENTS	67.0	1329.0	741.0	360.0	813.0	-962.0	12861.4	14.8
33	MISC. MANUFACTURING	267.0	682.0	44.0	60.0	340.0	-1398.0	12086.4	4.7
34	DEEPSEA FOREIGN TRANS.	.0	418.1	726.4	155.0	.0	-264.0	1499.3	.9
35	DEEPSEA DOMESTIC TRANS.	.0	.0	.0	.0	1.2	.0	1564.6	24.8
36	GREAT LAKES TRANS.	.0	4.6	.0	.0	.0	.0	374.1	.2
37	RIVER & CANAL TRANS.	.0	.0	.0	.0	2.4	.0	847.1	111.8
38	LOCAL WATER TRANS.	.0	.0	.0	.0	74.5	.0	394.7	233.5
39	SERVICE TO WATER TRANS.	.0	537.3	166.6	.0	.0	.0	1582.8	543.0
40	OTHER TRANS. & STORAGE	143.0	3629.0	1966.0	928.0	2009.0	-1444.0	77289.9	237.6
41	COMMUNICATIONS	.0	.0	340.0	234.0	1139.0	.0	35765.3	34.2
42	UTILITIES	.0	.0	201.0	61.0	2876.0	.0	58943.3	17.0
43	WHOLESALE & RETAIL TRAD	381.0	4027.0	1048.0	591.0	2248.0	.0	249826.8	.0
44	FINANCE, INSURANCE & R.	.0	.0	103.0	278.0	2014.0	.0	242565.3	187.5
45	SERVICES	.0	.0	2806.0	3171.0	12105.0	.0	238104.0	146.4
46	GOVERNMENT ENTERPRISES	.0	.0	159.0	-18.0	532.0	.0	12613.1	15.3
47	NONCOMPETITIVE IMPORTS	.0	.0	3621.0	1329.0	3.0	-17990.5	.0	316.5
48	DUMMY INDUSTRIES	.0	.0	61.0	90.0	489.0	.0	22779.5	22.6
49	HOUSEHOLD SECTOR	.0	4239.0	.0	129094.0	.0	.0	942535.9	1247.4
50	VALUE ADDED	.0	.0	.0	.0	.0	.0	412588.5	132.3
51	COLMN TOTAL	8095.0	53847.0	38074.0	143729.0	38209.0	-79504.5	3397981.1	4072.8
	WATER TRANSPORTATION	.0	422.7	726.4	155.0	78.0	-264.0	4679.7	371.2

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED WITH RESPECT TO HOUSEHOLD, 1972

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	.219795	.066064	.037442	.000000	.000000	.000000	.000000	.000000	.000000	.218972
2	OTHER FARM PRODUCTS	.356349	.038136	.007535	.000000	.000000	.000000	.000000	.000839	.000000	.095753
3	FOREST & FISH PRODUCTS	.018505	.048179	.023352	.000000	.000000	.000510	.000000	.001521	.000000	.007651
4	IRON ORES MINING	.000000	.000000	.000000	.061852	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.006945	.201617	.000000	.000222	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.025028	.000193	.000000	.000000	.000000
7	OTHER MINING	.000104	.003976	.000000	.002830	.000000	.000000	.111303	.003481	.000150	.000438
8	CONSTRUCTION	.006772	.014307	.000273	.023223	.016344	.004002	.010665	.285553	.001909	.002794
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.073460	.000000
10	FOOD PRODUCTS & TOBACCO	.101991	.000000	.018436	.000000	.000000	.000000	.000000	.000000	.000000	.173159
11	TEXTILES & APPAREL	.000208	.001996	.025293	.001657	.000000	.000457	.006008	.002124	.002190	.001186
12	LUMBER & WOOD PRODUCTS	.000082	.001091	.002577	.003631	.015043	.000000	.005596	.049635	.005742	.001123
13	PAPER & PRODUCTS	.000309	.000036	.029355	.000000	.000000	.000071	.003198	.001687	.004126	.027382
14	PRINTING & PUBLISHING	.000121	.000215	.000000	.000000	.000000	.000000	.000000	.000000	.000076	.006096
15	CHEMICALS & PRODUCTS	.002085	.066042	.004927	.023563	.054015	.010193	.022035	.000874	.012442	.003667
16	OTHER CHEMICAL PRODUCTS	.001097	.000000	.000497	.000000	.000000	.000799	.000000	.004679	.000000	.002423
17	PETROLEUM REFINING	.003553	.027276	.009737	.002936	.004589	.002868	.014972	.010012	.001453	.002033
18	RUBBER & PLASTICS	.000871	.005106	.001220	.011400	.008858	.002892	.011040	.005769	.010332	.011466
19	LEATHER & PRODUCTS	.000273	.000000	.000214	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.000131	.000000	.000000	.000000	.000000	.000000	.000000	.001292	.000281	.013057
21	STONE & CLAY PRODUCTS	.000050	.000627	.000000	.000669	.004123	.009428	.003036	.048675	.000886	.000000
22	PRIMARY IRON & STEEL	.000000	.000000	.000000	.030880	.044352	.014701	.017282	.007796	.066868	.000121
23	PRIM. NONFERROUS METALS	.000021	.000023	.000000	.002915	.000995	.000000	.002770	.015598	.028627	.000041
24	MTNG, PLMNG & STR. META	.000000	.000000	.000000	.000000	.000000	.005070	.000991	.055889	.000000	.000000
25	OTHER FABRICATED METALS	.001675	.001744	.016857	.003229	.005107	.006370	.013333	.010945	.017400	.000303
26	ENGINES & TURBINES	.000000	.000000	.001467	.004259	.009243	.005417	.008991	.000693	.000574	.000000
27	MACHINERY & EQUIPMENTS	.000431	.015858	.000453	.027773	.082219	.021701	.042510	.006477	.013887	.002679
28	OFFICE MACHINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.006339	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000356	.001327	.000455	.001924	.000380	.014827	.003157	.016062	.026269	.000042
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000183	.000404	.005098	.004805	.003555	.000000	.000000	.014178	.047496	.000043
32	INSTRUMENTS	.000000	.000000	.000000	.000000	.000000	.000822	.000000	.001963	.005288	.000124
33	MISC. MANUFACTURING	.000039	.000044	.001086	.000000	.000000	.000041	.000000	.000995	.000000	.000099
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000012	.000267	.000668	.000000	.000291	.016475	.006784	.000000	.000026	.000660
36	GREAT LAKES TRANS.	.000000	.000333	.000000	.064620	.000000	.000006	.013169	.000000	.000000	.000144
37	RIVER & CANAL TRANS.	.000000	.003352	.002944	.016028	.002616	.002679	.018656	.000000	.000000	.000150
38	LOCAL WATER TRANS.	.000000	.000004	.003636	.000443	.000000	.000039	.000100	.000000	.000000	.000013
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.037642	.098509	.038763	.155672	.037895	.052559	.420235	.003455	.012489	.023741
41	COMMUNICATIONS	.002154	.002422	.000274	.001920	.004114	.001220	.001877	.002376	.010075	.003625
42	UTILITIES	.002454	.005577	.000694	.039603	.046021	.012574	.032541	.000422	.003907	.006741
43	WHOLESALE & RETAIL TRAD	.037858	.057621	.023374	.017330	.024898	.015089	.029350	.062638	.024078	.040238
44	FINANCE, INSURANCE & R.	.018733	.078343	.033127	.110007	.072131	.209473	.066398	.009073	.005630	.012344
45	SERVICES	.010563	.050263	.003270	.053744	.029823	.026330	.042880	.037619	.029834	.040100
46	GOVERNMENT ENTERPRISES	.000090	.000114	.000000	.001259	.001846	.000644	.000975	.000366	.001324	.001113
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.008097	.000000	.000000	.000000	.000227	.000000	.000000	.015673
48	DUMMY INDUSTRIES	.001012	.001649	.013064	.004178	.013565	.008953	.006690	.005697	.018089	.005500
49	HOUSEHOLD SECTOR	.160041	.365592	.470719	.423069	.295437	.395987	.468018	.299102	.507473	.181662
	COLUMN TOTAL	.987557	.956497	.784902	1.102393	.979076	.867243	1.384975	.974050	.934382	.932354
	WATER TRANSPORTATION	.000012	.003956	.007248	.081092	.002907	.019199	.038708	.000000	.000026	.000967

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED WITH RESPECT TO HOUSEHOLD, 1972

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.009767	.000000	.000000	.000000	.000000	.000978	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.014262	.000000	.000000	.000000	.003204	.005939	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.002615	.055467	.000000	.000000	.000509	.000273	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.002191	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.002131	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.001802	.000000	.421300	.000000	.000000	.000000
7	OTHER MINING	.000467	.000298	.006617	.000000	.030297	.001877	.002852	.002514	.000424	.016568
8	CONSTRUCTION	.002137	.005504	.006553	.003833	.007290	.003796	.012590	.004715	.001770	.009040
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000919	.000000	.004997	.000000	.004964	.014708	.000730	.003553	.000300	.000000
11	TEXTILES & APPAREL	.429856	.026574	.009092	.004978	.001049	.000676	.000104	.032604	.067884	.001067
12	LUMBER & WOOD PRODUCTS	.000471	.271445	.051205	.000000	.003634	.000555	.000071	.002468	.012494	.011066
13	PAPER & PRODUCTS	.008803	.007729	.261746	.144014	.011643	.031646	.005684	.025475	.018987	.054483
14	PRINTING & PUBLISHING	.000359	.000019	.000270	.115428	.000072	.001976	.000070	.000000	.000000	.000000
15	CHEMICALS & PRODUCTS	.012774	.009497	.033940	.019566	.202251	.101066	.018413	.146603	.013467	.024684
16	OTHER CHEMICAL PRODUCTS	.001130	.007162	.001037	.000671	.002430	.051749	.003100	.003689	.011732	.004414
17	PETROLEUM REFINING	.001072	.005419	.008950	.001529	.088453	.003431	.225088	.000624	.001164	.001883
18	RUBBER & PLASTICS	.066132	.020986	.025897	.006866	.009617	.059631	.001965	.161797	.084055	.033614
19	LEATHER & PRODUCTS	.002898	.000235	.000026	.000024	.000039	.000000	.000019	.000309	.196322	.000000
20	GLASS & PRODUCTS	.001205	.003878	.000000	.000000	.000369	.013429	.000000	.002345	.000000	.064903
21	STONE & CLAY PRODUCTS	.000105	.006152	.000982	.000000	.002435	.001681	.001854	.000718	.000350	.013095
22	PRIMARY IRON & STEEL	.000000	.016491	.001229	.000509	.004147	.000643	.000257	.002116	.000000	.000000
23	PRIM. NONFERROUS METALS	.000000	.002525	.000440	.001060	.012569	.001691	.000950	.000874	.000000	.005121
24	HTNG, PLMNG & STR. META	.000000	.000475	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000216
25	OTHER FABRICATED METALS	.000767	.034365	.010360	.001626	.017391	.042541	.004272	.011430	.017661	.000637
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
27	MACHINERY & EQUIPMENTS	.004769	.004650	.007648	.001607	.019497	.001208	.003495	.008633	.004920	.002930
28	OFFICE MACHINES	.000000	.000188	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
29	OTHER ELECTRICAL EQUIP.	.000147	.000704	.000159	.000079	.001190	.000088	.000509	.000102	.000889	.000256
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000251	.000000	.000000	.000000	.000000	.000000	.000503	.000000	.000000
32	INSTRUMENTS	.000513	.000459	.000253	.010417	.000336	.000304	.000674	.000232	.000653	.000460
33	MISC. MANUFACTURING	.007069	.003677	.000170	.001539	.000000	.000050	.000000	.003154	.006578	.001424
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000078	.001283	.000116	.000032	.001422	.000478	.016784	.000629	.000601	.000375
36	GREAT LAKES TRANS.	.000000	.000213	.000469	.000000	.000023	.000000	.000251	.000000	.000016	.001045
37	RIVER & CANAL TRANS.	.000000	.001001	.000034	.000000	.002419	.000000	.003102	.000040	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000317	.000000	.000000	.000005	.000000	.000316	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.011886	.058894	.053742	.013494	.057087	.025069	.036169	.035324	.008326	.063149
41	COMMUNICATIONS	.003771	.004002	.003887	.012903	.004312	.005236	.000920	.005379	.004759	.003713
42	UTILITIES	.008302	.008887	.021754	.006049	.038297	.004561	.017044	.015275	.006465	.041518
43	WHOLESALE & RETAIL TRAD	.037551	.044989	.039659	.031939	.029604	.038047	.012575	.041736	.060424	.031532
44	FINANCE, INSURANCE & R.	.016986	.018217	.019040	.049823	.033291	.037335	.033937	.022793	.024145	.023828
45	SERVICES	.016844	.025843	.027252	.051578	.039106	.159078	.030749	.037505	.031370	.032675
46	GOVERNMENT ENTERPRISES	.002002	.001086	.001024	.014589	.001140	.002142	.000708	.000933	.003719	.001297
47	NONCOMPETITIVE IMPORTS	.001360	.000102	.000000	.000121	.002025	.003128	.000072	.008979	.001559	.000000
48	DUMMY INDUSTRIES	.005299	.006260	.004697	.017225	.006665	.016481	.001310	.010784	.007975	.009049
49	HOUSEHOLD SECTOR	.301102	.347752	.348151	.455715	.307129	.309729	.103710	.382798	.343053	.520959
	COLUMN TOTAL	.975460	.999995	.961465	.967215	.952056	.941237	.963644	.976630	.932060	.972003
	WATER TRANSPORTATION	.000078	.002814	.000669	.000032	.003870	.000478	.020454	.000669	.000617	.001420

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED WITH RESPECT TO HOUSEHOLD, 1972

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
2	OTHER FARM PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
3	FOREST & FISH PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
4	IRON ORES MINING	.000568	.042059	.000036	.000000	.000000	.000000	.000000	.000000	.000020	.000000
5	NONFERROUS ORES MINING	.000624	.001172	.037559	.000000	.000000	.000000	.000000	.000000	.000097	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.077246	.034274	.000587	.000111	.000481	.000648	.000221	.000145	.000190	.000192
8	CONSTRUCTION	.009632	.012161	.003787	.004220	.003967	.004009	.003329	.002359	.002712	.004937
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000217	.000031	.000641	.000000	.000000	.000000	.000000	.000000	.000000	.000000
11	TEXTILES & APPAREL	.006350	.000829	.001267	.001063	.001706	.000591	.001151	.001203	.001449	.001624
12	LUMBER & WOOD PRODUCTS	.002979	.003275	.005198	.002399	.005354	.000000	.002716	.001698	.009535	.014129
13	PAPER & PRODUCTS	.016369	.000943	.001472	.007524	.012732	.004201	.001466	.005609	.009371	.000600
14	PRINTING & PUBLISHING	.000169	.000121	.000546	.000067	.006582	.000035	.007044	.001383	.001383	.000000
15	CHEMICALS & PRODUCTS	.014821	.013559	.009615	.001139	.007693	.000447	.000563	.001971	.006217	.000195
16	OTHER CHEMICAL PRODUCTS	.001039	.000352	.000349	.010873	.009259	.001152	.001144	.002794	.002042	.001904
17	PETROLEUM REFINING	.006179	.003812	.002687	.003103	.001942	.003670	.004047	.001635	.001636	.002767
18	RUBBER & PLASTICS	.010023	.001151	.013257	.002570	.015970	.001971	.010291	.012843	.025694	.001926
19	LEATHER & PRODUCTS	.000206	.000064	.000290	.000000	.000071	.000233	.000139	.000110	.000196	.000000
20	GLASS & PRODUCTS	.000000	.000000	.000000	.008519	.000764	.000000	.000000	.000000	.010225	.004559
21	STONE & CLAY PRODUCTS	.127296	.004244	.001885	.002423	.003338	.011152	.006968	.006670	.006548	.007003
22	PRIMARY IRON & STEEL	.011210	.209428	.006704	.258858	.236492	.123828	.116113	.044846	.035180	.091664
23	PRIM. NONFERROUS METALS	.001726	.019557	.384058	.084040	.060275	.060605	.023974	.036561	.045298	.031509
24	HTNG, PLMNG & STR. META	.000000	.000000	.000000	.034436	.000000	.002412	.005226	.002529	.000240	.073970
25	OTHER FABRICATED METALS	.010310	.022076	.008715	.055077	.054268	.034833	.022405	.044692	.031845	.034181
26	ENGINES & TURBINES	.001004	.000000	.000000	.000000	.000315	.119778	.016939	.000558	.000723	.077900
27	MACHINERY & EQUIPMENTS	.014073	.030499	.016663	.025092	.022312	.058355	.126982	.026277	.012271	.101341
28	OFFICE MACHINES	.000000	.000000	.000000	.003808	.000000	.000000	.000000	.134056	.003818	.001366
29	OTHER ELECTRICAL EQUIP.	.003285	.011437	.003680	.011143	.001494	.030073	.024242	.135672	.174467	.012970
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000000	.000000	.000000	.000000	.003284	.000000	.000080	.000538	.001141	.000000
32	INSTRUMENTS	.000257	.001963	.000291	.006555	.000324	.001764	.002484	.006730	.002488	.005565
33	MISC. MANUFACTURING	.002273	.000353	.000779	.000085	.000052	.000000	.000193	.002546	.000822	.000093
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000690	.000914	.000022	.000212	.000291	.000089	.000092	.000064	.000101	.000000
36	GREAT LAKES TRANS.	.000808	.000206	.000000	.000018	.000035	.000030	.000042	.000000	.000057	.000000
37	RIVER & CANAL TRANS.	.000335	.000548	.000061	.000000	.000004	.000000	.000000	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
40	OTHER TRANS. & STORAGE	.084891	.042813	.022023	.029704	.022889	.011323	.015491	.013252	.012536	.003966
41	COMMUNICATIONS	.005514	.003855	.002459	.008427	.005270	.005488	.006361	.007217	.007132	.007292
42	UTILITIES	.035150	.033062	.024406	.008964	.011189	.007483	.007281	.005060	.007185	.009040
43	WHOLESALE & RETAIL TRAD	.029093	.038707	.045629	.049236	.027156	.046226	.037667	.056084	.033540	.043048
44	FINANCE, INSURANCE & R.	.026935	.009896	.014117	.027014	.020261	.009562	.024048	.033659	.020327	.011735
45	SERVICES	.031215	.036864	.016997	.030806	.027819	.023687	.025705	.032050	.032996	.021687
46	GOVERNMENT ENTERPRISES	.001038	.000982	.000533	.001240	.000901	.001152	.001221	.001312	.001288	.001400
47	NONCOMPETITIVE IMPORTS	.000000	.000000	.004620	.000000	.000000	.001553	.000738	.000000	.001946	.000000
48	DUMMY INDUSTRIES	.007911	.004206	.004024	.016802	.013804	.013253	.012371	.022771	.012288	.012072
49	HOUSEHOLD SECTOR	.426445	.369920	.228747	.359765	.384462	.357803	.450300	.373446	.456897	.493372
	COLUMN TOTAL	.972002	.955364	.914293	1.055294	.964755	.939371	.954027	1.025999	.971902	1.074005
	WATER TRANSPORTATION	.001833	.001668	.000102	.000230	.000331	.000118	.000134	.000064	.000158	.000000

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY: DIRECT REQUIREMENTS CLOSED WITH RESPECT TO HOUSEHOLD, 1972

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000053
2	OTHER FARM PRODUCTS	.000000	.000740	.001934	.000000	.000000	.000000	.000000	.000000	.000000	.000082
3	FOREST & FISH PRODUCTS	.000000	.000000	.000211	.000000	.000000	.000000	.000000	.000000	.000000	.000035
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
5	NONFERROUS ORES MINING	.000000	.000197	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000233
7	OTHER MINING	.000334	.000211	.000411	.000949	.000303	.000317	.000280	.000300	.000615	.000328
8	CONSTRUCTION	.002563	.004574	.002532	.016638	.005571	.005702	.005583	.038534	.000275	.001643
9	ORDNANCE & ACCESSORIES	.000646	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.001893	.001282	.000461	.000321	.000426	.000304	.000801	.003087
11	TEXTILES & APPAREL	.013693	.018479	.026951	.015231	.005017	.005178	.004934	.004649	.009065	.001713
12	LUMBER & WOOD PRODUCTS	.014551	.001021	.022316	.000000	.000000	.000000	.000000	.000000	.000000	.001416
13	PAPER & PRODUCTS	.002429	.016901	.043895	.003108	.001059	.000830	.001100	.001049	.001765	.001577
14	PRINTING & PUBLISHING	.000046	.000000	.000000	.000535	.000128	.000000	.000118	.000000	.000223	.001043
15	CHEMICALS & PRODUCTS	.001077	.027554	.005017	.000000	.000000	.000000	.000000	.000000	.000000	.000962
16	OTHER CHEMICAL PRODUCTS	.002947	.000439	.004495	.008439	.002821	.002884	.002779	.002485	.005088	.000934
17	PETROLEUM REFINING	.001960	.001395	.002439	.041632	.013861	.014129	.013768	.012698	.025118	.030573
18	RUBBER & PLASTICS	.021824	.030675	.067242	.003383	.001125	.001107	.000978	.001049	.001918	.005159
19	LEATHER & PRODUCTS	.000052	.000000	.005178	.000000	.000000	.000000	.000000	.000000	.000000	.000000
20	GLASS & PRODUCTS	.006995	.007638	.003960	.004677	.001590	.001512	.001469	.001433	.002849	.000410
21	STONE & CLAY PRODUCTS	.002509	.002148	.002569	.000733	.000211	.000294	.000259	.000278	.000407	.000231
22	PRIMARY IRON & STEEL	.061005	.022269	.032741	.015623	.005265	.005307	.005155	.004778	.009414	.005349
23	PRIM. NONFERROUS METALS	.018459	.039654	.035000	.015251	.005069	.005232	.004985	.004698	.009159	.000458
24	HTNG, PLMNG & STR. META	.004189	.000422	.000217	.000000	.000000	.000000	.000000	.000000	.000000	.000335
25	OTHER FABRICATED METALS	.071774	.041560	.025168	.040198	.013361	.013377	.013258	.012115	.024142	.003428
26	ENGINES & TURBINES	.007042	.000000	.000000	.003042	.001002	.001143	.001009	.001063	.001795	.001617
27	MACHINERY & EQUIPMENTS	.028958	.012497	.000780	.014140	.004610	.004966	.004644	.004153	.008502	.002055
28	OFFICE MACHINES	.008780	.000000	.000262	.000000	.000000	.000000	.000000	.000000	.000000	.000175
29	OTHER ELECTRICAL EQUIP.	.025371	.046456	.012184	.002541	.000931	.001198	.000754	.001419	.001494	.004065
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.047219	.005484	.001363	.002895	.001177	.018137	.000000
31	OTHER TRANSPORTATION EQ	.286644	.001237	.000000	.068501	.033335	.033629	.034742	.031925	.052374	.012538
32	INSTRUMENTS	.005923	.080253	.000359	.005869	.001924	.001857	.001913	.001760	.003432	.000436
33	MISC. MANUFACTURING	.001076	.001209	.071506	.001813	.000626	.000581	.000642	.000551	.001048	.000211
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000556	.000000	.000000	.000000	.000000	.000000
35	DEEPSEA DOMESTIC TRANS.	.000106	.000009	.000612	.000000	.015838	.000000	.000000	.000000	.000000	.000000
36	GREAT LAKES TRANS.	.000058	.000000	.000056	.000000	.000000	.000581	.000000	.000000	.000000	.000000
37	RIVER & CANAL TRANS.	.000002	.000000	.000267	.000000	.000000	.000000	.132021	.000000	.000000	.000000
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.049002	.062866	.000000	.057479	.000000	.000000	.000000
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.153478	.155810	.022954	.021939	.003580	.013611	.000000
40	OTHER TRANS. & STORAGE	.020398	.006006	.018796	.071672	.038049	.042721	.034673	.015968	.020931	.085921
41	COMMUNICATIONS	.003384	.010376	.005514	.013379	.004511	.004634	.004385	.004079	.008074	.010334
42	UTILITIES	.004751	.006173	.005471	.006675	.002132	.002301	.002286	.002181	.003907	.005693
43	WHOLESALE & RETAIL TRAD	.030628	.040542	.046739	.000000	.000000	.000000	.000000	.000000	.000000	.036924
44	FINANCE, INSURANCE & R.	.010483	.026277	.023426	.073506	.024425	.025307	.024419	.022505	.044253	.037940
45	SERVICES	.033383	.053647	.041319	.057427	.019185	.019307	.018916	.017727	.034618	.034376
46	GOVERNMENT ENTERPRISES	.001251	.002052	.002722	.006084	.002036	.001935	.001880	.001651	.003648	.002421
47	NONCOMPETITIVE IMPORTS	.001035	.000117	.022157	.124190	.041391	.042373	.040917	.038131	.074859	.010215
48	DUMMY INDUSTRIES	.006499	.020868	.011943	.008790	.002966	.002977	.002958	.002822	.005364	.006518
49	HOUSEHOLD SECTOR	.282541	.423559	.414453	.220951	.223941	.280292	.310181	.502020	.735897	.481881
	COLUMN TOTAL	.985365	.947176	.962735	1.095957	.697458	.546310	.753785	.737103	1.122781	.792372
	WATER TRANSPORTATION	.000166	.000009	.000935	.049002	.079260	.000581	.189500	.000000	.000000	.000000

TABLE 5, MARAD I-O TABLE OF U. S. ECONOMY; DIRECT REQUIREMENTS CLOSED WITH RESPECT TO HOUSEHOLD, 1972

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	.000000	.000000	.000000	.000000	.000521	.000000	.000000	.001896	.001829
2	OTHER FARM PRODUCTS	.000070	.000043	.000117	.000233	.002416	.000527	.000000	.013607	.005987
3	FOREST & FISH PRODUCTS	.000000	.000191	.001212	.001146	.000210	.000000	.000000	.005074	.001013
4	IRON ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000044	.000000
5	NONFERROUS ORES MINING	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000
6	CRUDE OIL & NATURAL GAS	.000000	.065061	.000000	.000000	.000000	.000000	.000000	.000000	.000000
7	OTHER MINING	.000000	.036114	.000000	.000137	.000115	.001315	.000000	.000796	.000153
8	CONSTRUCTION	.002553	.005394	.003680	.007957	.009741	.019260	.000000	.000136	.000000
9	ORDNANCE & ACCESSORIES	.000000	.000000	.000000	.000000	.000005	.000000	.000000	.001457	.000281
10	FOOD PRODUCTS & TOBACCO	.000000	.000000	.000207	.000000	.004388	.000000	.000000	.224290	.099302
11	TEXTILES & APPAREL	.000275	.000573	.000695	.000008	.002018	.002155	.000000	.001806	.029934
12	LUMBER & WOOD PRODUCTS	.000193	.000216	.000674	.001187	.000085	.000376	.000000	.001244	.006492
13	PAPER & PRODUCTS	.001007	.000839	.006864	.001584	.002267	.001160	.000000	.023961	.002538
14	PRINTING & PUBLISHING	.002028	.000496	.001511	.003308	.059073	.003922	.000000	.088123	.006115
15	CHEMICALS & PRODUCTS	.000028	.001739	.000090	.001055	.001720	.015195	.000000	.001886	.000723
16	OTHER CHEMICAL PRODUCTS	.000756	.000940	.000503	.003080	.012598	.005731	.000000	.007187	.011100
17	PETROLEUM REFINING	.003142	.028661	.007532	.002531	.004394	.007077	.000000	.000248	.015281
18	RUBBER & PLASTICS	.001204	.000927	.004045	.001207	.007547	.002230	.000000	.001664	.004042
19	LEATHER & PRODUCTS	.000000	.000000	.000044	.000000	.000949	.000160	.000000	.003704	.005441
20	GLASS & PRODUCTS	.000031	.000073	.000847	.000263	.001184	.000145	.000000	.000326	.000598
21	STONE & CLAY PRODUCTS	.000555	.002014	.000346	.001042	.001785	.001101	.000000	.000750	.000500
22	PRIMARY IRON & STEEL	.000046	.001498	.000000	.000132	.000056	.000000	.000000	.000239	.000004
23	PRIM. NONFERROUS METALS	.000981	.000972	.000000	.000511	.000026	.000166	.000000	.000394	.000022
24	MTNG, PLMNG & STR. META	.001807	.002006	.000000	.003345	.000000	.001066	.000000	.000112	.000099
25	OTHER FABRICATED METALS	.000105	.003005	.001580	.001031	.013383	.001538	.000000	.001399	.001707
26	ENGINES & TURBINES	.000000	.000000	.000000	.000000	.000825	.000000	.000000	.000030	.000237
27	MACHINERY & EQUIPMENTS	.000062	.001263	.000150	.000514	.007268	.002126	.000000	.002504	.000986
28	OFFICE MACHINES	.000144	.000112	.000000	.000040	.002989	.000553	.000000	.000956	.000920
29	OTHER ELECTRICAL EQUIP.	.022475	.003313	.000301	.002479	.006720	.002140	.000000	.012710	.013855
30	SHIPBUILDING & REPAIR	.000000	.000000	.000000	.000000	.000000	.000365	.000000	.000000	.000000
31	OTHER TRANSPORTATION EQ	.000177	.000125	.000236	.000000	.011526	.000971	.000000	.001525	.036433
32	INSTRUMENTS	.000136	.000024	.000000	.000048	.007711	.000399	.000000	.016297	.002082
33	MISC. MANUFACTURING	.000189	.000068	.000594	.000504	.006420	.000354	.000000	.026731	.007307
34	DEEPSEA FOREIGN TRANS.	.000000	.000000	.000000	.000000	.000000	.002038	.000000	.000000	.000464
35	DEEPSEA DOMESTIC TRANS.	.000000	.000000	.000000	.000000	.000000	.000055	.000000	.003585	.000033
36	GREAT LAKES TRANS.	.000000	.000000	.000000	.000000	.000000	.000014	.000000	.000116	.000029
37	RIVER & CANAL TRANS.	.000000	.000000	.000000	.000000	.000000	.000028	.000000	.000231	.000011
38	LOCAL WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000030
39	SERVICE TO WATER TRANS.	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000000	.000334
40	OTHER TRANS. & STORAGE	.001356	.001079	.006899	.001708	.002826	.117238	.000000	.350304	.015790
41	COMMUNICATIONS	.016871	.004088	.013377	.007531	.034540	.003338	.000000	.000024	.013411
42	UTILITIES	.006487	.231560	.016463	.004407	.015507	.020529	.000000	.000610	.023234
43	WHOLESALE & RETAIL TRAD	.012386	.011245	.026617	.011781	.036933	.008890	.000000	.053264	.174290
44	FINANCE, INSURANCE & R.	.030905	.015820	.076253	.115072	.059086	.042977	.000000	.000119	.155902
45	SERVICES	.084719	.018895	.076065	.048588	.076028	.057228	.000000	.135899	.126471
46	GOVERNMENT ENTERPRISES	.005157	.004107	.011338	.007652	.008233	.000436	.000000	.001037	.003337
47	NONCOMPETITIVE IMPORTS	.006036	.000015	.000291	.000573	.000468	.044525	.000000	.000101	.007937
48	DUMMY INDUSTRIES	.014881	.007318	.017316	.010247	.022488	.007958	.000000	.000434	.000000
49	HOUSEHOLD SECTOR	.581992	.358763	.523397	.463034	.496544	1.058685	.000000	.000000	.007470
	COLUMN TOTAL	.800756	.808555	.801262	.703934	.920593	1.433992	.000000	.986780	.785724
	WATER TRANSPORTATION	.000000	.000000	.000000	.000000	.000000	.002135	.000000	.003932	.000567

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1972

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	1.468270	.188364	.140258	.102861	.095369	.081931	.133085	.098886	.097062	.462913
2	OTHER FARM PRODUCTS	.609212	1.156316	.102532	.088810	.082452	.070648	.114808	.096418	.083682	.340222
3	FOREST & FISH PRODUCTS	.067908	.069415	1.039545	.016354	.016416	.013297	.021035	.022938	.015425	.043860
4	IRON ORES MINING	.002261	.002406	.001918	1.070672	.006623	.003056	.004938	.004830	.007066	.002572
5	NONFERROUS ORES MINING	.003122	.003394	.002566	.013920	1.257559	.003164	.005986	.009321	.010017	.003356
6	CRUDE OIL & NATURAL GAS	.056295	.064124	.041285	.056779	.057247	1.065790	.082002	.053096	.044754	.048694
7	OTHER MINING	.016515	.020213	.010571	.022116	.022845	.013208	1.147279	.027731	.017650	.015861
8	CONSTRUCTION	.055299	.054571	.026731	.071628	.064067	.034587	.062952	1.435638	.035646	.043972
9	ORDNANCE & ACCESSORIES	.000774	.000770	.000682	.000883	.000826	.000703	.001135	.000859	1.080170	.000737
10	FOOD PRODUCTS & TOBACCO	.444671	.285823	.268037	.309124	.286729	.246440	.399789	.295517	.291887	1.515854
11	TEXTILES & APPAREL	.131288	.132041	.154810	.147329	.132607	.113532	.197402	.147763	.139783	.125756
12	LUMBER & WOOD PRODUCTS	.037797	.037826	.036133	.046954	.044668	.031198	.060630	.134855	.047630	.040339
13	PAPER & PRODUCTS	.064395	.058191	.087982	.061464	.058884	.048565	.084476	.067764	.064145	.104432
14	PRINTING & PUBLISHING	.060267	.059561	.048248	.066889	.062051	.052607	.084976	.064402	.061576	.066723
15	CHEMICALS & PRODUCTS	.092603	.133951	.048080	.083140	.133927	.051400	.096911	.056428	.067098	.076558
16	OTHER CHEMICAL PRODUCTS	.039799	.038102	.032381	.043170	.039700	.034868	.055118	.049165	.039469	.039930
17	PETROLEUM REFINING	.110448	.128288	.080249	.102138	.100750	.074299	.155068	.102053	.083167	.092856
18	RUBBER & PLASTICS	.061546	.061644	.051775	.076468	.071930	.051417	.096331	.074981	.073752	.073562
19	LEATHER & PRODUCTS	.015805	.015324	.013643	.017318	.015926	.013744	.022324	.016617	.016258	.014629
20	GLASS & PRODUCTS	.012183	.009784	.008604	.011110	.010163	.008776	.014211	.013979	.011305	.026778
21	STONE & CLAY PRODUCTS	.010841	.011433	.007402	.013679	.019095	.019847	.016785	.089496	.011663	.009955
22	PRIMARY IRON & STEEL	.045726	.046353	.040028	.102259	.140226	.065018	.104550	.103046	.153594	.053058
23	PRIM. NONFERROUS METALS	.025761	.026652	.021389	.036370	.039889	.026206	.047251	.081005	.086811	.027623
24	MTNG, FLMNG & STR. META	.007101	.007232	.004652	.008984	.008634	.011460	.010876	.087224	.006143	.006132
25	OTHER FABRICATED METALS	.057146	.052091	.053753	.061486	.063728	.050275	.088664	.080748	.078196	.087649
26	ENGINES & TURBINES	.004091	.004423	.004767	.010672	.019781	.010115	.018955	.005836	.005562	.003781
27	MACHINERY & EQUIPMENTS	.038426	.046630	.024092	.069005	.153071	.050679	.097870	.048850	.053539	.036512
28	OFFICE MACHINES	.005977	.005997	.004861	.006991	.006307	.005285	.008679	.017261	.006903	.005650
29	OTHER ELECTRICAL EQUIP.	.056736	.057547	.046673	.067658	.063666	.068715	.088419	.090976	.098560	.052858
30	SHIPBUILDING & REPAIR	.000122	.000135	.000114	.000312	.000134	.000250	.000334	.000120	.000112	.000116
31	OTHER TRANSPORTATION EQ	.119940	.119862	.108072	.146870	.128376	.106286	.180677	.153578	.194732	.112311
32	INSTRUMENTS	.012279	.012361	.010195	.014362	.013500	.011994	.018210	.017323	.019826	.012152
33	MISC. MANUFACTURING	.023596	.023521	.021518	.026629	.024705	.021141	.034197	.027344	.025067	.022654
34	DEEPSEA FOREIGN TRANS.	.000996	.000992	.000856	.001126	.001032	.000904	.001454	.001069	.001045	.000940
35	DEEPSEA DOMESTIC TRANS.	.004088	.004631	.003574	.003922	.004327	.019951	.013155	.003960	.003342	.004261
36	GREAT LAKES TRANS.	.000312	.001029	.000501	.069796	.001014	.000601	.015799	.001039	.000970	.000915
37	RIVER & CANAL TRANS.	.004029	.006405	.004912	.021702	.005974	.004547	.026659	.002188	.001817	.002966
38	LOCAL WATER TRANS.	.000906	.001088	.004426	.002202	.000853	.001744	.002790	.000662	.000539	.000771
39	SERVICE TO WATER TRANS.	.001598	.001739	.001426	.003668	.001711	.004029	.004272	.001603	.001480	.001559
40	OTHER TRANS. & STORAGE	.249760	.256596	.161628	.334052	.206011	.175194	.707814	.170539	.162136	.207193
41	COMMUNICATIONS	.072320	.070618	.055400	.079107	.075552	.061153	.106585	.076827	.079724	.070635
42	UTILITIES	.124900	.125526	.097087	.185905	.200961	.118006	.216091	.132573	.129633	.125513
43	WHOLESALE & RETAIL TRAD	.558056	.535000	.427142	.550754	.524904	.432380	.725375	.602697	.521579	.524514
44	FINANCE, INSURANCE & R.	.593046	.613927	.471939	.709857	.633388	.690486	.838640	.569946	.535816	.534825
45	SERVICES	.501667	.510304	.385193	.571928	.514396	.433260	.713452	.547100	.504533	.499175
46	GOVERNMENT ENTERPRISES	.026273	.026056	.020876	.030574	.029147	.024108	.038577	.028141	.027111	.026112
47	NONCOMPETITIVE IMPORTS	.031174	.028924	.032473	.036116	.029034	.025650	.046379	.029782	.028809	.046259
48	DUMMY INDUSTRIES	.046297	.045480	.047153	.053103	.063101	.047201	.070441	.056634	.062795	.049446
49	HOUSEHOLD SECTOR	2.027500	2.016761	1.749122	2.288741	2.092676	1.818812	2.949049	2.176459	2.139392	1.906412
	COLUMN TOTAL	8.001722	7.183422	6.012254	7.916859	7.645934	6.318546	10.030454	7.967269	7.228978	7.571723
	WATER TRANSPORTATION	.010831	.014145	.014269	.096649	.013201	.027746	.059857	.008918	.007716	.009883
	MULTIPLIER	7.452355	6.545685	6.647572	6.556590	7.399838	5.988004	6.938500	7.967018	7.611025	7.553020

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1972

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	.124152	.104342	.098322	.099571	.094714	.101543	.083063	.099532	.095264	.099109
2	OTHER FARM PRODUCTS	.120614	.039111	.084610	.085975	.085313	.092860	.071734	.086706	.083450	.085500
3	FOREST & FISH PRODUCTS	.022196	.093740	.021440	.016275	.015779	.016036	.013365	.015877	.016306	.016473
4	IRON ORES MINING	.002261	.004216	.002738	.002250	.005944	.003165	.002793	.003114	.002478	.002300
5	NONFERROUS ORES MINING	.003248	.004535	.003636	.003423	.009648	.004557	.003521	.004483	.003377	.004189
6	CRUDE OIL & NATURAL GAS	.048529	.051865	.056638	.047738	.112720	.052888	.601625	.057577	.045226	.052666
7	OTHER MINING	.016383	.017340	.026716	.015574	.059310	.021616	.019130	.025345	.015438	.038117
8	CONSTRUCTION	.038322	.044125	.045360	.040172	.048117	.041331	.055860	.042405	.035123	.046590
9	ORDNANCE & ACCESSORIES	.000827	.000843	.000809	.000853	.000786	.000806	.000708	.000828	.000791	.000843
10	FOOD PRODUCTS & TOBACCO	.297654	.299360	.294440	.299081	.284275	.301062	.249823	.296931	.279737	.297838
11	TEXTILES & APPAREL	1.897032	.205870	.160565	.145974	.130891	.134030	.115496	.202297	.284729	.142661
12	LUMBER & WOOD PRODUCTS	.040316	1.412475	.150528	.055024	.044118	.041689	.034116	.045291	.059865	.060468
13	PAPER & PRODUCTS	.084339	.079456	1.414879	.279691	.076762	.110780	.060401	.103305	.095355	.138546
14	PRINTING & PUBLISHING	.061925	.062960	.060804	1.195215	.060456	.072944	.055182	.062551	.059761	.061932
15	CHEMICALS & PRODUCTS	.101918	.074029	.112415	.085140	1.307006	.196625	.077675	.269418	.095113	.090107
16	OTHER CHEMICAL PRODUCTS	.042064	.051180	.041483	.041447	.041903	1.095400	.039604	.044783	.054115	.045378
17	PETROLEUM REFINING	.089877	.097722	.105691	.089114	.226680	.100716	1.369799	.108089	.084000	.093132
18	RUBBER & PLASTICS	.197480	.099565	.102956	.074211	.071490	.135540	.055108	1.259025	.194332	.099860
19	LEATHER & PRODUCTS	.022763	.017237	.016139	.016633	.015504	.015677	.013919	.016885	1.260443	.016627
20	GLASS & PRODUCTS	.012746	.016315	.010608	.010385	.010381	.025557	.009028	.013340	.010476	1.079830
21	STONE & CLAY PRODUCTS	.009899	.020161	.012506	.009986	.015042	.012780	.018906	.011691	.009955	.026477
22	PRIMARY IRON & STEEL	.044812	.039662	.054860	.045414	.064015	.059955	.057794	.055066	.049992	.046011
23	PRIM. NONFERROUS METALS	.026149	.037727	.029213	.026122	.054487	.035474	.028935	.033096	.027408	.034823
24	MTNG, PLMNG & STR. META	.006075	.007176	.006608	.006290	.007253	.006220	.010177	.006442	.005712	.006945
25	OTHER FABRICATED METALS	.062630	.103159	.068864	.054549	.073942	.101338	.055167	.068310	.073653	.052874
26	ENGINES & TURBINES	.003900	.004302	.004231	.003780	.005397	.004029	.007399	.004286	.003695	.004223
27	MACHINERY & EQUIPMENTS	.039500	.039620	.042628	.032248	.061753	.036062	.045869	.046106	.036991	.034457
28	OFFICE MACHINES	.006065	.006558	.006079	.006263	.005998	.006381	.005593	.006140	.005818	.006256
29	OTHER ELECTRICAL EQUIP.	.057722	.060681	.057538	.059103	.059876	.057059	.062290	.058331	.056108	.059116
30	SHIPBUILDING & REPAIR	.000116	.000139	.000121	.000121	.000173	.000120	.000365	.000128	.000116	.000124
31	OTHER TRANSPORTATION EQ	.123869	.128576	.122918	.125621	.119827	.120278	.109729	.124486	.117810	.127370
32	INSTRUMENTS	.013743	.013894	.013071	.026145	.013198	.014330	.012980	.013391	.013326	.013530
33	MISC. MANUFACTURING	.038658	.026993	.024952	.027560	.023803	.025334	.021529	.029383	.034192	.027031
34	DEEPSEA FOREIGN TRANS.	.001063	.001077	.001038	.001101	.001005	.001005	.000920	.001048	.001013	.001079
35	DEEPSEA DOMESTIC TRANS.	.003618	.005473	.004190	.003440	.008833	.004436	.034357	.004947	.004083	.004106
36	GREAT LAKES TRANS.	.000636	.001080	.001443	.000706	.001489	.000789	.000990	.000820	.000646	.002073
37	RIVER & CANAL TRANS.	.001905	.003656	.002359	.001714	.006809	.002237	.007947	.002587	.001697	.002241
38	LOCAL WATER TRANS.	.000565	.001503	.000683	.000548	.001223	.000632	.003240	.000693	.000579	.000626
39	SERVICE TO WATER TRANS.	.001525	.001885	.001626	.001508	.002430	.001615	.006402	.001745	.001549	.001660
40	OTHER TRANS. & STORAGE	.170553	.237648	.229660	.171662	.241875	.186146	.209220	.204361	.154339	.229003
41	COMMUNICATIONS	.076637	.077318	.074796	.086196	.073615	.078521	.063977	.077209	.073996	.074902
42	UTILITIES	.141756	.141779	.160336	.135310	.184067	.134199	.142621	.154626	.130565	.182729
43	WHOLESALE & RETAIL TRAD	.565295	.571460	.546049	.541287	.513553	.524070	.450025	.548276	.555971	.539760
44	FINANCE, INSURANCE & R.	.574593	.580704	.563133	.606666	.582987	.572825	.641807	.573909	.551160	.576638
45	SERVICES	.511967	.523524	.508397	.544137	.512415	.643098	.470092	.526334	.501957	.518526
46	GOVERNMENT ENTERPRISES	.030053	.026657	.027686	.043498	.027381	.029275	.025254	.027892	.030577	.028132
47	NONCOMPETITIVE IMPORTS	.032798	.031251	.029452	.029994	.031402	.032302	.027418	.040283	.031026	.030174
48	DUMMY INDUSTRIES	.053688	.055051	.050587	.064248	.052439	.064929	.046415	.058075	.054228	.053800
49	HOUSEHOLD SECTOR	2.154496	2.189741	2.111969	2.179374	2.035284	2.032236	1.832452	2.131351	2.045242	2.197721
	COLUMN TOTAL	7.968872	7.816783	7.567789	7.444358	7.483367	7.352497	7.331861	7.568793	7.348782	7.354574
	WATER TRANSPORTATION	.007806	.012789	.009713	.007509	.019358	.009099	.047454	.010095	.008018	.010125
	MULTIPLIER	8.003883	7.508832	7.567164	7.453186	7.446631	7.486505	6.849708	7.300257	7.855889	7.102906

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1972

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.100034	.096292	.084978	.105046	.096970	.093873	.096878	.104662	.099097	.109865
2	OTHER FARM PRODUCTS	.086335	.083069	.073290	.090620	.083666	.080894	.083475	.090254	.085441	.094650
3	FOREST & FISH PRODUCTS	.015813	.015246	.014012	.016611	.015541	.014580	.015144	.016501	.016182	.018031
4	IRON ORES MINING	.004251	.059848	.003708	.018941	.016826	.011460	.010449	.006803	.005373	.010965
5	NONFERROUS ORES MINING	.004918	.010719	.181487	.021908	.016442	.017537	.009794	.014155	.013925	.013391
6	CRUDE OIL & NATURAL GAS	.056432	.052839	.047778	.052760	.048487	.046397	.046921	.048706	.046575	.052242
7	OTHER MINING	.116495	.065781	.017877	.030218	.028097	.023310	.021275	.019149	.017771	.023435
8	CONSTRUCTION	.050156	.056487	.041722	.048665	.044127	.041555	.039836	.040818	.038319	.047010
9	ORDNANCE & ACCESSORIES	.000852	.000821	.000723	.000905	.000836	.000809	.000832	.000911	.000851	.000942
10	FOOD PRODUCTS & TOBACCO	.300365	.289505	.255476	.315988	.291550	.282508	.291455	.314957	.297903	.330356
11	TEXTILES & APPAREL	.152726	.136192	.122222	.147416	.138553	.130912	.136454	.147285	.142147	.155602
12	LUMBER & WOOD PRODUCTS	.045971	.044697	.048303	.048039	.048690	.038888	.042330	.046779	.055602	.063347
13	PAPER & PRODUCTS	.088187	.059435	.055283	.076298	.078966	.063839	.060400	.077671	.076892	.068316
14	PRINTING & PUBLISHING	.063390	.062107	.055017	.066664	.072246	.060313	.061405	.077988	.065108	.069215
15	CHEMICALS & PRODUCTS	.074431	.070967	.076596	.063936	.069023	.051834	.052269	.061739	.066066	.057403
16	OTHER CHEMICAL PRODUCTS	.042118	.040306	.035452	.055354	.049868	.039940	.040912	.046639	.043240	.047934
17	PETROLEUM REFINING	.102140	.093878	.083939	.096301	.088140	.085333	.086855	.089992	.085859	.095970
18	RUBBER & PLASTICS	.075570	.061677	.078547	.071196	.080810	.062318	.072313	.087798	.098021	.071046
19	LEATHER & PRODUCTS	.017090	.016336	.014799	.017627	.016374	.016110	.016481	.017666	.016945	.018504
20	GLASS & PRODUCTS	.010487	.010289	.009017	.020800	.011163	.010243	.010459	.013094	.023646	.017252
21	STONE & CLAY PRODUCTS	1.157108	.017783	.014041	.016723	.016169	.026342	.020290	.021615	.019767	.022755
22	PRIMARY IRON & STEEL	.071854	1.330306	.075029	.418274	.370968	.251996	.229680	.147666	.115126	.240754
23	PRIM. NONFERROUS METALS	.033082	.073040	1.651435	.190761	.141655	.153971	.083790	.124512	.121759	.116242
24	HTNG, PLMNG & STR. META	.007230	.007491	.006189	1.042931	.006611	.009350	.012377	.009747	.006470	.084488
25	OTHER FABRICATED METALS	.066145	.082171	.061792	.125840	1.116967	.098144	.082294	.117788	.094085	.107768
26	ENGINES & TURBINES	.006951	.005839	.006301	.005549	.005373	1.141858	.028703	.005928	.005356	.095704
27	MACHINERY & EQUIPMENTS	.054059	.079644	.074820	.080449	.070973	.115819	1.183908	.074998	.051758	.165853
28	OFFICE MACHINES	.006407	.006359	.005432	.011304	.006197	.006112	.006234	1.162197	.011547	.006879
29	OTHER ELECTRICAL EQUIP.	.065765	.077710	.059667	.084526	.065396	.102776	.094592	.254654	1.272378	.091864
30	SHIPBUILDING & REPAIR	.000143	.000144	.000104	.000131	.000122	.000113	.000115	.000121	.000115	1.000129
31	OTHER TRANSPORTATION EQ	.129961	.125887	.109361	.134383	.128644	.119711	.123673	.133107	.127942	.139904
32	INSTRUMENTS	.013663	.015795	.011963	.022464	.014220	.015457	.016410	.023469	.016636	.021960
33	MISC. MANUFACTURING	.028438	.025263	.023182	.027457	.025225	.024344	.025196	.030558	.026704	.028368
34	DEEPSEA FOREIGN TRANS.	.001089	.001055	.000922	.001136	.001050	.001018	.001054	.001124	.001076	.001155
35	DEEPSEA DOMESTIC TRANS.	.005222	.005002	.003297	.004302	.004045	.003566	.003570	.003695	.003510	.003852
36	GREAT LAKES TRANS.	.003012	.005257	.000710	.002009	.001826	.001386	.001299	.001008	.000948	.001364
37	RIVER & CANAL TRANS.	.004397	.004635	.002353	.002625	.002427	.002058	.001976	.001923	.001816	.002209
38	LOCAL WATER TRANS.	.000826	.000836	.000546	.000671	.000626	.000561	.000563	.000582	.000558	.000634
39	SERVICE TO WATER TRANS.	.001914	.001908	.001369	.001745	.001624	.001503	.001530	.001600	.001527	.001708
40	OTHER TRANS. & STORAGE	.294650	.228876	.172366	.216284	.191881	.167882	.169299	.182155	.166229	.179356
41	COMMUNICATIONS	.079040	.075567	.066514	.086598	.076469	.074892	.076887	.085123	.079515	.087583
42	UTILITIES	.180861	.180940	.169645	.164407	.153172	.140609	.138593	.144725	.139492	.159164
43	WHOLESALE & RETAIL TRAD	.546973	.546940	.512170	.605811	.537258	.545518	.542100	.604778	.548125	.620155
44	FINANCE, INSURANCE & R.	.596233	.562404	.512466	.620043	.563847	.535418	.564337	.621046	.571776	.623854
45	SERVICES	.529140	.526058	.451489	.564643	.516027	.495202	.506075	.557131	.523809	.567811
46	GOVERNMENT ENTERPRISES	.028581	.027917	.024903	.030552	.027631	.027081	.027584	.030450	.028212	.031275
47	NONCOMPETITIVE IMPORTS	.031095	.029703	.033051	.032060	.029474	.030082	.029731	.031572	.032104	.032770
48	DUMMY INDUSTRIES	.054766	.050388	.048496	.068459	.059981	.059713	.058173	.077119	.059679	.065418
49	HOUSEHOLD SECTOR	2.215220	2.145310	1.873753	2.310644	2.138453	2.072584	2.146898	2.285549	2.190946	2.435181
	COLUMN TOTAL	7.621528	7.566770	7.273589	8.240112	7.570688	7.397718	7.372868	8.059504	7.513924	8.303914
	WATER TRANSPORTATION	.014545	.016784	.007827	.010743	.009975	.008589	.008463	.008332	.007908	.009254
	MULTIPLIER	7.447268	7.664749	7.719819	7.685000	7.608453	7.575605	7.497181	7.731505	7.463384	6.917558

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1972

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.099208	.097269	.096997	.096280	.065490	.051429	.066950	.073300	.109896	.079877
2	OTHER FARM PRODUCTS	.055878	.085055	.086015	.083285	.056505	.044378	.057743	.063196	.094722	.068668
3	FOREST & FISH PRODUCTS	.017045	.015346	.017459	.015203	.010120	.007937	.010319	.011428	.016749	.012260
4	IRON ORES MINING	.009269	.004520	.004638	.004933	.002489	.001905	.002392	.002272	.003688	.002089
5	NONFERROUS ORES MINING	.010745	.012453	.010458	.008070	.003960	.003056	.003786	.003621	.005798	.002578
6	CRUDE OIL & NATURAL GAS	.048044	.046577	.046276	.070622	.039787	.031316	.039338	.038856	.061462	.052993
7	OTHER MINING	.021230	.017287	.017218	.017249	.009888	.007707	.009790	.010357	.015443	.010693
8	CONSTRUCTION	.041693	.040503	.037459	.061545	.033208	.025035	.034419	.076788	.035330	.027869
9	ORDNANCE & ACCESSORIES	.001822	.000838	.000814	.000894	.000597	.000469	.000609	.000651	.000980	.000662
10	FOOD PRODUCTS & TOBACCO	.296819	.290969	.288723	.288331	.196518	.154312	.200960	.220148	.330021	.240356
11	TEXTILES & APPAREL	.174154	.169903	.189914	.164583	.103646	.081454	.104551	.110614	.168988	.111831
12	LUMBER & WOOD PRODUCTS	.068353	.042124	.075556	.042260	.026658	.020752	.027014	.031433	.042210	.031337
13	PAPER & PRODUCTS	.069359	.086822	.125868	.065070	.040676	.031551	.041078	.043458	.065669	.048232
14	PRINTING & PUBLISHING	.065232	.064244	.061572	.064790	.041324	.032299	.041797	.044474	.067607	.050821
15	CHEMICALS & PRODUCTS	.062964	.094940	.074972	.052664	.032413	.025386	.032534	.034221	.051991	.038558
16	OTHER CHEMICAL PRODUCTS	.046325	.040556	.044764	.050694	.031047	.024356	.031158	.032586	.050088	.033068
17	PETROLEUM REFINING	.088757	.086435	.086097	.142302	.078761	.062001	.077559	.075628	.120555	.105861
18	RUBBER & PLASTICS	.103960	.103594	.151678	.069501	.042952	.033681	.043015	.045256	.068418	.051866
19	LEATHER & PRODUCTS	.016857	.016286	.023098	.016136	.011017	.008660	.011273	.012371	.018525	.013230
20	GLASS & PRODUCTS	.021763	.019703	.015092	.017052	.009693	.007455	.009447	.009532	.015049	.008783
21	STONE & CLAY PRODUCTS	.016571	.013633	.013492	.013921	.007765	.006064	.007827	.010311	.011316	.007950
22	PRIMARY IRON & STEEL	.203295	.095272	.099009	.106789	.053562	.040966	.051400	.048588	.079153	.044327
23	PRIM. NONFERROUS METALS	.092637	.106847	.091592	.070210	.034249	.026428	.032696	.031178	.050015	.021640
24	HTNG, PLMNG & STR. META	.012728	.006699	.006149	.012217	.005545	.003918	.005267	.007582	.008130	.005260
25	OTHER FABRICATED METALS	.166427	.101488	.081890	.110494	.057991	.044898	.056427	.053319	.086681	.044252
26	ENGINES & TURBINES	.016510	.004294	.003869	.013905	.005658	.004131	.005119	.004638	.008730	.005182
27	MACHINERY & EQUIPMENTS	.057961	.050480	.034715	.061792	.030764	.023725	.029599	.028035	.046838	.025438
28	OFFICE MACHINES	.020737	.006403	.006381	.007581	.004820	.003773	.004878	.005375	.007549	.005338
29	OTHER ELECTRICAL EQUIP.	.109069	.119637	.072889	.068704	.043422	.034299	.043668	.047525	.069705	.052525
30	SHIPBUILDING & REPAIR	.000119	.000112	.000119	.050228	.008670	.001848	.003962	.001328	.018517	.000097
31	OTHER TRANSPORTATION EQ	1.528860	.124149	.121124	.233279	.146348	.115174	.147038	.139718	.214563	.119346
32	INSTRUMENTS	.023111	1.100734	.013338	.021522	.011977	.009238	.011827	.011755	.018569	.010975
33	MISC. MANUFACTURING	.027654	.026950	1.102295	.027342	.017698	.013846	.017980	.019236	.029063	.020334
34	DEEPSEA FOREIGN TRANS.	.001074	.001041	.001034	1.001047	.001282	.000563	.000733	.000805	.001207	.000864
35	DEEPSEA DOMESTIC TRANS.	.003758	.003437	.004092	.004679	1.018755	.002092	.002636	.002633	.004129	.003434
36	GREAT LAKES TRANS.	.001260	.000808	.000889	.000839	.000474	1.000949	.000468	.000479	.000736	.000486
37	RIVER & CANAL TRANS.	.002033	.001834	.002154	.001973	.001163	.000910	1.153260	.001200	.001837	.001392
38	LOCAL WATER TRANS.	.000596	.000543	.000619	.045649	.064295	.000306	.066611	1.000406	.000621	.000487
39	SERVICE TO WATER TRANS.	.001577	.001482	.001587	.157453	.161884	.024119	.026938	.004765	1.015529	.001314
40	OTHER TRANS. & STORAGE	.190383	.158563	.172666	.230969	.139606	.119665	.138580	.116499	.172599	1.201716
41	COMMUNICATIONS	.078238	.081642	.075383	.086593	.052917	.041612	.052991	.055100	.084876	.066863
42	UTILITIES	.142739	.135022	.133206	.134498	.084795	.066644	.085842	.091149	.138283	.103239
43	WHOLESALE & RETAIL TRAD	.561688	.539669	.543730	.499150	.334342	.262715	.341030	.373441	.555508	.435877
44	FINANCE, INSURANCE & R.	.569741	.563871	.556441	.629068	.397518	.312799	.401661	.424676	.648704	.479530
45	SERVICES	.542778	.534370	.516121	.546173	.345461	.271066	.348771	.370533	.562614	.417979
46	GOVERNMENT ENTERPRISES	.029113	.028621	.029093	.033576	.020246	.015770	.020114	.020719	.032400	.023759
47	NONCOMPETITIVE IMPORTS	.031535	.029265	.053235	.167352	.076349	.059750	.071702	.059954	.106237	.034222
48	DUMMY INDUSTRIES	.057936	.068044	.057534	.056912	.033294	.026023	.033138	.033987	.052364	.041130
49	HOUSEHOLD SECTOR	2.183593	2.114245	2.095609	2.104243	1.453445	1.142741	1.489941	1.642420	2.454840	1.753803
	COLUMN TOTAL	8.053750	7.354657	7.344923	7.833641	5.451042	4.331170	5.497836	5.547544	7.826500	5.920490
	WATER TRANSPORTATION	.008742	.007662	.008788	1.056187	1.085968	1.004820	1.223709	1.005523	.008530	.006662
	MULTIPLIER	7.996311	7.505268	7.295730	6.470612	8.093504	8.726493	7.188376	7.345944	7.990335	6.865073

TABLE 6, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED REQUIREMENTS, 1972

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	.084048	.076484	.082955	.071677	.097326	.144353	.000000	.175491	.108742
2	OTHER FARM PRODUCTS	.072533	.067665	.071623	.062015	.085867	.124891	.000000	.150656	.093443
3	FOREST & FISH PRODUCTS	.012749	.012325	.013998	.012292	.015169	.021953	.000000	.026805	.016178
4	IRON ORES MINING	.001712	.002028	.001635	.001487	.002327	.002970	.000000	.002517	.001959
5	NONFERROUS ORES MINING	.002750	.002793	.002328	.002217	.003323	.004262	.000000	.003633	.002785
6	CRUDE OIL & NATURAL GAS	.037607	.142495	.040836	.032023	.044922	.069412	.000000	.049145	.044189
7	OTHER MINING	.010209	.063421	.010660	.006973	.013302	.020155	.000000	.014765	.011719
8	CONSTRUCTION	.029507	.036352	.031755	.034193	.045082	.070489	.000000	.036828	.029814
9	ORDNANCE & ACCESSORIES	.000723	.000672	.000714	.000614	.000837	.001225	.000000	.002315	.000915
10	FOOD PRODUCTS & TOBACCO	.252932	.236114	.249448	.219451	.290461	.434079	.000000	.542743	.327361
11	TEXTILES & APPAREL	.114962	.109437	.114076	.097895	.134249	.202571	.000000	.129899	.149859
12	LUMBER & WOOD PRODUCTS	.030877	.030123	.031908	.026409	.037455	.054315	.000000	.042719	.038054
13	PAPER & PRODUCTS	.050203	.047003	.060433	.044099	.073961	.083450	.000000	.122036	.057755
14	PRINTING & PUBLISHING	.058350	.049720	.057170	.050382	.130814	.092921	.000000	.167308	.061570
15	CHEMICALS & PRODUCTS	.037111	.041814	.037920	.033428	.051587	.082728	.000000	.062488	.044385
16	OTHER CHEMICAL PRODUCTS	.035046	.033198	.034399	.032606	.052253	.064135	.000000	.046367	.042600
17	PETROLEUM REFINING	.069816	.113327	.075782	.059926	.082771	.129665	.000000	.094568	.082845
18	RUBBER & PLASTICS	.048969	.046953	.051510	.041734	.066917	.083938	.000000	.069339	.057994
19	LEATHER & PRODUCTS	.014120	.013170	.013920	.012023	.017021	.024527	.000000	.019401	.018417
20	GLASS & PRODUCTS	.008894	.008219	.009379	.007703	.011606	.014965	.000000	.014415	.010761
21	STONE & CLAY PRODUCTS	.008457	.012227	.008227	.006328	.011944	.015467	.000000	.010652	.008750
22	PRIMARY IRON & STEEL	.035969	.042719	.034219	.031182	.048842	.061491	.000000	.051489	.041118
23	PRIM. NONFERROUS METALS	.023356	.023388	.019553	.018714	.027964	.035490	.000000	.030443	.023420
24	MTNG, PLMNG & STR. META	.006781	.008524	.005218	.006501	.006554	.010747	.000000	.005972	.005537
25	OTHER FABRICATED METALS	.041604	.044528	.041955	.036150	.064398	.071816	.000000	.063068	.049248
26	ENGINES & TURBINES	.003044	.004261	.003017	.002582	.004773	.005536	.000000	.004527	.003648
27	MACHINERY & EQUIPMENTS	.022798	.029084	.022429	.019815	.036357	.041313	.000000	.034831	.026478
28	OFFICE MACHINES	.005656	.005141	.005294	.004652	.009761	.009780	.000000	.007327	.006451
29	OTHER ELECTRICAL EQUIP.	.076497	.053625	.049002	.045174	.066497	.087333	.000000	.072130	.061546
30	SHIPBUILDING & REPAIR	.000095	.000121	.000098	.000083	.000110	.000630	.000000	.000140	.000117
31	OTHER TRANSPORTATION EQ	.107193	.100771	.105413	.091161	.135813	.188263	.000000	.121047	.138971
32	INSTRUMENTS	.011632	.010459	.011259	.009650	.022305	.019096	.000000	.032092	.013138
33	MISC. MANUFACTURING	.021956	.020091	.022110	.018969	.031739	.036896	.000000	.052391	.026910
34	DEEPSEA FOREIGN TRANS.	.000921	.000867	.000918	.000795	.001034	.003621	.000000	.000942	.001204
35	DEEPSEA DOMESTIC TRANS.	.002600	.005431	.002765	.002225	.003150	.004742	.000000	.007250	.003033
36	GREAT LAKES TRANS.	.000454	.001160	.000458	.000393	.000580	.000829	.000000	.000808	.000538
37	RIVER & CANAL TRANS.	.001212	.002832	.001254	.001054	.001498	.002269	.000000	.002231	.001462
38	LOCAL WATER TRANS.	.000420	.000706	.000438	.000366	.000499	.000854	.000000	.000840	.000514
39	SERVICE TO WATER TRANS.	.001223	.001676	.001237	.001047	.001408	.002481	.000000	.002004	.001550
40	OTHER TRANS. & STORAGE	.113569	.139867	.121519	.097949	.140696	.315168	.000000	.534757	.130592
41	COMMUNICATIONS	1.076759	.060476	.072714	.056571	.104067	.104078	.000000	.075026	.071897
42	UTILITIES	.110002	1.399678	.119711	.096530	.135221	.197056	.000000	.120408	.123996
43	WHOLESALE & RETAIL TRAD	.431164	.411780	1.439154	.370069	.514398	.735287	.000000	.536607	.540378
44	FINANCE, INSURANCE & R.	.486191	.476444	.534012	1.515917	.584685	.833183	.000000	.525517	.580920
45	SERVICES	.487112	.406796	.475846	.395344	1.543110	.745773	.000000	.610968	.503771
46	GOVERNMENT ENTERPRISES	.027465	.026212	.033869	.027264	.035131	1.038106	.000000	.029394	.026844
47	NONCOMPETITIVE IMPORTS	.030477	.023465	.024726	.021610	.028691	.087676	1.000000	.035298	.031091
48	DUMMY INDUSTRIES	.050928	.044067	.053515	.041475	.066766	.067790	.000000	1.051023	.040945
49	HOUSEHOLD SECTOR	1.862779	1.746810	1.826401	1.590951	2.072102	3.239795	.000000	1.893413	2.474846
	COLUMN TOTAL	6.023431	6.240557	6.028780	5.356690	6.957341	9.689569	1.000000	7.686032	6.140258
	WATER TRANSPORTATION	.005607	.011014	.005833	.004834	.006761	.012315	.000000	.012072	.006751
	MULTIPLIER	6.077594	6.534212	6.065518	5.471405	7.091141	6.517120	.000000	7.789000	6.094728

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	55.493	4.010	2.551	.092	.138	.081	.141	.131	.123	15.255
2	OTHER FARM PRODUCTS	20.448	41.464	1.401	.092	.132	.076	.133	.163	.111	10.298
3	FOREST & FISH PRODUCTS	1.953	2.009	36.734	.050	.098	.050	.063	.311	.051	1.122
4	IRON ORES MINING	.026	.031	.021	41.182	.191	.062	.100	.120	.207	.041
5	NONFERROUS ORES MINING	.015	.019	.010	.191	21.107	.019	.045	.116	.128	.020
6	CRUDE OIL & NATURAL GAS	.316	.441	.158	.250	.312	16.228	.461	.224	.103	.230
7	OTHER MINING	.189	.291	.062	.308	.353	.125	30.912	.475	.205	.187
8	CONSTRUCTION	.632	.620	.116	.902	.796	.260	.562	28.871	.202	.430
9	ORDNANCE & ACCESSORIES	.001	.001	.002	.002	.002	.001	.002	.002	48.006	.001
10	FOOD PRODUCTS & TOBACCO	2.620	.279	.544	.095	.147	.087	.144	.113	.132	18.757
11	TEXTILES & APPAREL	.328	.377	1.881	.336	.227	.131	.724	.614	.394	.397
12	LUMBER & WOOD PRODUCTS	.206	.211	.267	.365	1.009	.100	.475	3.150	.458	.342
13	PAPER & PRODUCTS	.423	.275	1.169	.200	.249	.152	.388	.421	.352	1.486
14	PRINTING & PUBLISHING	.353	.336	.170	.358	.359	.265	.418	.369	.300	.694
15	CHEMICALS & PRODUCTS	.991	1.722	.294	.742	1.698	.331	.776	.306	.506	.746
16	OTHER CHEMICAL PRODUCTS	.074	.051	.034	.057	.056	.054	.066	.177	.040	.108
17	PETROLEUM REFINING	.209	.298	.106	.125	.151	.066	.276	.143	.057	.142
18	RUBBER & PLASTICS	.326	.333	.251	.530	.532	.204	.632	.557	.549	.671
19	LEATHER & PRODUCTS	.044	.018	.039	.018	.022	.013	.023	.026	.021	.027
20	GLASS & PRODUCTS	.105	.031	.031	.036	.033	.027	.043	.140	.062	.574
21	STONE & CLAY PRODUCTS	.112	.131	.037	.170	.356	.408	.254	2.489	.125	.099
22	PRIMARY IRON & STEEL	.308	.328	.251	1.593	2.700	.891	1.422	1.712	3.022	.547
23	PRIM. NONFERROUS METALS	.101	.116	.074	.256	.307	.138	.296	.924	1.019	.147
24	HTNG, PLMNG & STR. META	.079	.084	.023	.119	.122	.228	.132	2.538	.042	.058
25	OTHER FABRICATED METALS	.460	.327	.656	.437	.605	.386	.821	1.026	.976	1.362
26	ENGINES & TURBINES	.021	.027	.041	.137	.313	.139	.274	.049	.045	.018
27	MACHINERY & EQUIPMENTS	.604	.976	.194	1.607	4.716	1.127	2.393	.923	1.106	.582
28	OFFICE MACHINES	.017	.018	.007	.025	.021	.013	.024	.285	.033	.017
29	OTHER ELECTRICAL EQUIP.	.214	.249	.108	.364	.394	.797	.512	1.251	1.539	.185
30	SHIPBUILDING & REPAIR	.001	.002	.001	.010	.002	.008	.009	.001	.001	.001
31	OTHER TRANSPORTATION EQ	.104	.111	.168	.313	.185	.071	.257	.534	1.271	.090
32	INSTRUMENTS	.054	.058	.032	.078	.085	.083	.091	.205	.300	.072
33	MISC. MANUFACTURING	.054	.055	.088	.061	.069	.048	.075	.129	.063	.069
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.027	.037	.024	.017	.030	.302	.163	.022	.012	.033
36	GREAT LAKES TRANS.	.005	.009	.002	1.019	.008	.003	.223	.008	.007	.007
37	RIVER & CANAL TRANS.	.071	.130	.097	.507	.118	.087	.621	.022	.014	.046
38	LOCAL WATER TRANS.	.020	.027	.164	.070	.017	.055	.088	.008	.004	.015
39	SERVICE TO WATER TRANS.	.024	.034	.024	.161	.029	.208	.175	.017	.010	.026
40	OTHER TRANS. & STORAGE	4.887	5.136	2.373	7.299	3.271	2.711	18.897	1.906	1.685	3.648
41	COMMUNICATIONS	.430	.384	.147	.404	.473	.266	.542	.436	.563	.489
42	UTILITIES	.284	.297	.115	.869	1.172	.328	.834	.287	.274	.366
43	WHOLESALE & RETAIL TRAD	8.183	6.683	3.208	3.619	4.822	2.500	5.779	9.043	3.862	7.680
44	FINANCE, INSURANCE & R.	4.532	5.419	2.374	6.679	5.501	10.197	5.665	2.285	1.301	3.379
45	SERVICES	3.442	3.845	1.128	4.103	3.421	2.439	4.378	4.026	2.671	4.299
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	108.785	77.296	57.227	75.846	56.348	41.765	80.308	66.557	71.954	74.764
50	LABOR OUTPUT RATIO	40.236	38.389	35.729	38.529	16.815	15.705	27.276	20.484	44.476	14.843
51	EMPLOYMENT MULTIPLIER	2.704	2.013	1.602	1.969	3.351	2.659	2.944	3.249	1.618	5.037
	WATER TRANSPORTATION	.125	.296	.518	2.981	.244	.797	1.873	.061	.038	.119
	TOTAL EMPLOYMENT	1744.	1566.	252.	44.	49.	276.	246.	4080.	316.	1897.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	1.186	.327	.222	.153	.213	.493	.103	.237	.217	.102
2	OTHER FARM PRODUCTS	1.507	.247	.187	.142	.325	.619	.098	.239	.239	.097
3	FOREST & FISH PRODUCTS	.290	2.838	.273	.073	.088	.098	.050	.069	.105	.075
4	IRON ORES MINING	.021	.096	.041	.020	.167	.060	.052	.055	.033	.022
5	NONFERROUS ORES MINING	.014	.035	.021	.016	.124	.038	.025	.035	.018	.029
6	CRUDE OIL & NATURAL GAS	.158	.201	.297	.139	1.200	.261	8.935	.307	.137	.211
7	OTHER MINING	.169	.190	.456	.143	1.355	.327	.235	.416	.157	.756
8	CONSTRUCTION	.253	.364	.408	.285	.483	.345	.692	.343	.215	.412
9	ORDNANCE & ACCESSORIES	.001	.002	.001	.002	.002	.002	.001	.002	.002	.001
10	FOOD PRODUCTS & TOBACCO	.188	.144	.224	.160	.223	.479	.110	.223	.137	.106
11	TEXTILES & APPAREL	67.964	2.819	1.257	.693	.294	.422	.175	2.818	6.190	.369
12	LUMBER & WOOD PRODUCTS	.223	42.831	3.667	.668	.398	.324	.184	.389	.883	.829
13	PAPER & PRODUCTS	.844	.703	33.850	5.672	.725	1.570	.437	1.328	1.181	2.163
14	PRINTING & PUBLISHING	.296	.305	.297	41.043	.353	.805	.345	.343	.319	.261
15	CHEMICALS & PRODUCTS	1.115	.612	1.313	.811	22.385	2.822	.790	4.073	1.030	.893
16	OTHER CHEMICAL PRODUCTS	.076	.204	.078	.059	.104	16.026	.122	.122	.286	.114
17	PETROLEUM REFINING	.087	.120	.172	.079	.778	.160	6.417	.180	.076	.096
18	RUBBER & PLASTICS	3.415	1.121	1.242	.538	.553	2.042	.263	28.088	3.401	1.123
19	LEATHER & PRODUCTS	.414	.058	.026	.025	.022	.034	.017	.063	76.572	.017
20	GLASS & PRODUCTS	.105	.211	.044	.028	.048	.519	.033	.126	.049	33.213
21	STONE & CLAY PRODUCTS	.069	.378	.153	.069	.239	.170	.378	.126	.083	.569
22	PRIMARY IRON & STEEL	.231	1.364	.506	.236	.773	.670	.700	.503	.410	.243
23	PRIM. NONFERROUS METALS	.068	.260	.141	.115	.539	.249	.177	.198	.123	.215
24	HTNG, PLMNG & STR. META	.039	.070	.058	.044	.083	.052	.187	.052	.035	.063
25	OTHER FABRICATED METALS	.267	1.633	.736	.306	.916	1.669	.512	.710	.903	.250
26	ENGINES & TURBINES	.014	.020	.021	.011	.045	.019	.088	.021	.013	.018
27	MACHINERY & EQUIPMENTS	.594	.584	.723	.322	1.443	.517	.949	.841	.545	.395
28	OFFICE MACHINES	.011	.021	.014	.014	.017	.027	.020	.014	.012	.013
29	OTHER ELECTRICAL EQUIP.	.141	.211	.170	.166	.314	.221	.567	.181	.178	.151
30	SHIPBUILDING & REPAIR	.001	.002	.001	.001	.004	.001	.014	.001	.001	.001
31	OTHER TRANSPORTATION EQ	.049	.096	.074	.055	.094	.105	.116	.082	.050	.067
32	INSTRUMENTS	.082	.060	.066	.517	.085	.126	.115	.074	.088	.066
33	MISC. MANUFACTURING	.536	.112	.070	.136	.059	.114	.056	.218	.420	.110
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.001	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.017	.048	.027	.013	.108	.033	.548	.040	.027	.024
36	GREAT LAKES TRANS.	.002	.009	.014	.003	.015	.005	.009	.005	.003	.023
37	RIVER & CANAL TRANS.	.016	.059	.028	.011	.140	.026	.171	.033	.012	.024
38	LOCAL WATER TRANS.	.006	.042	.010	.004	.032	.008	.115	.010	.006	.007
39	SERVICE TO WATER TRANS.	.013	.037	.022	.010	.083	.025	.378	.029	.019	.020
40	OTHER TRANS. & STORAGE	1.946	4.179	4.046	1.939	4.602	2.700	3.851	3.145	1.588	3.868
41	COMMUNICATIONS	.450	.439	.431	.733	.464	.624	.344	.490	.467	.354
42	UTILITIES	.412	.391	.665	.319	1.001	.395	.620	.584	.343	.886
43	WHOLESALE & RETAIL TRAD	6.730	6.621	6.023	4.641	4.906	5.699	3.541	5.881	7.761	4.249
44	FINANCE, INSURANCE & R.	2.665	2.581	2.607	3.680	4.072	3.707	8.190	2.848	2.750	2.351
45	SERVICES	2.840	3.010	3.037	3.869	3.796	8.876	3.756	3.578	3.313	2.753
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	95.543	75.673	63.720	67.986	53.671	53.487	44.558	59.120	110.396	57.611
50	LABOR OUTPUT RATIO	38.472	31.064	24.768	35.971	17.619	15.113	4.905	23.231	61.493	31.033
51	EMPLOYMENT MULTIPLIER	2.483	2.436	2.571	1.890	3.046	3.539	9.085	2.545	1.795	1.856
	WATER TRANSPORTATION	.042	.220	.090	.032	.381	.081	1.223	.100	.059	.100
	TOTAL EMPLOYMENT	2342.	1039.	684.	1071.	469.	316.	191.	718.	351.	174.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	.109	.082	.107	.142	.121	.113	.102	.171	.114	.115
2	OTHER FARM PRODUCTS	.103	.079	.098	.130	.112	.101	.093	.152	.104	.104
3	FOREST & FISH PRODUCTS	.048	.044	.063	.054	.056	.037	.040	.056	.066	.075
4	IRON ORES MINING	.096	2.240	.086	.859	.583	.378	.337	.192	.140	.348
5	NONFERROUS ORES MINING	.041	.740	3.016	.325	.236	.256	.124	.195	.193	.179
6	CRUDE OIL & NATURAL GAS	.265	.228	.225	.181	.162	.147	.135	.124	.117	.138
7	OTHER MINING	2.891	1.517	.246	.526	.490	.368	.303	.227	.202	.325
8	CONSTRUCTION	.481	.628	.392	.427	.376	.340	.286	.272	.244	.362
9	ORDNANCE & ACCESSORIES	.001	.001	.001	.002	.002	.002	.002	.003	.002	.002
10	FOOD PRODUCTS & TOBACCO	.109	.085	.113	.154	.129	.124	.111	.188	.120	.122
11	TEXTILES & APPAREL	.715	.242	.337	.289	.349	.208	.248	.342	.365	.313
12	LUMBER & WOOD PRODUCTS	.370	.364	.605	.389	.491	.218	.289	.361	.681	.805
13	PAPER & PRODUCTS	.905	.232	.256	.555	.720	.384	.255	.603	.639	.285
14	PRINTING & PUBLISHING	.298	.314	.302	.403	.685	.315	.268	.760	.361	.310
15	CHEMICALS & PRODUCTS	.611	.572	.757	.396	.540	.258	.243	.366	.472	.242
16	OTHER CHEMICAL PRODUCTS	.060	.051	.048	.235	.197	.064	.060	.110	.084	.091
17	PETROLEUM REFINING	.137	.108	.104	.093	.081	.078	.074	.066	.061	.071
18	RUBBER & PLASTICS	.550	.265	.805	.396	.713	.319	.511	.795	1.084	.325
19	LEATHER & PRODUCTS	.037	.023	.053	.027	.028	.042	.031	.040	.039	.023
20	GLASS & PRODUCTS	.027	.030	.027	.334	.058	.038	.035	.098	.438	.208
21	STONE & CLAY PRODUCTS	34.971	.310	.226	.260	.262	.579	.386	.412	.366	.432
22	PRIMARY IRON & STEEL	.897	33.143	1.124	9.725	8.587	5.569	4.966	2.808	2.015	5.128
23	PRIM. NONFERROUS METALS	.185	.807	25.000	2.585	1.858	2.056	.971	1.574	1.546	1.426
24	HTNG, PLMNG & STR. META	.070	.063	.062	31.984	.056	.145	.233	.143	.048	2.436
25	OTHER FABRICATED METALS	.605	1.082	.671	2.188	29.441	1.559	1.084	1.981	1.383	1.625
26	ENGINES & TURBINES	.069	.050	.056	.040	.042	21.349	.479	.048	.040	1.727
27	MACHINERY & EQUIPMENTS	1.096	2.046	1.977	2.011	1.736	3.379	41.896	1.824	1.022	5.047
28	OFFICE MACHINES	.016	.019	.013	.130	.015	.017	.016	28.421	.143	.062
29	OTHER ELECTRICAL EQUIP.	.362	.827	.444	.918	.415	1.739	1.398	6.713	41.332	1.063
30	SHIPBUILDING & REPAIR	.002	.002	.001	.001	.001	.001	.001	.001	.001	47.686
31	OTHER TRANSPORTATION EQ	.095	.092	.071	.079	.146	.057	.053	.081	.084	.054
32	INSTRUMENTS	.067	.156	.071	.362	.102	.158	.178	.402	.177	.321
33	MISC. MANUFACTURING	.153	.068	.099	.082	.069	.064	.065	.201	.101	.066
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.043	.040	.017	.025	.024	.017	.016	.015	.014	.015
36	GREAT LAKES TRANS.	.037	.070	.004	.022	.020	.014	.012	.008	.007	.012
37	RIVER & CANAL TRANS.	.077	.084	.031	.031	.029	.021	.018	.014	.013	.019
38	LOCAL WATER TRANS.	.015	.016	.006	.006	.007	.005	.005	.004	.004	.005
39	SERVICE TO WATER TRANS.	.038	.041	.014	.021	.021	.015	.013	.012	.011	.013
40	OTHER TRANS. & STORAGE	6.083	3.959	2.515	3.229	2.705	2.003	1.917	2.106	1.732	1.740
41	COMMUNICATIONS	.471	.424	.387	.624	.460	.470	.465	.600	.508	.540
42	UTILITIES	.852	.896	.924	.593	.561	.448	.378	.369	.363	.453
43	WHOLESALE & RETAIL TRAD	4.489	5.570	7.310	7.185	4.989	6.596	5.202	7.501	4.947	6.274
44	FINANCE, INSURANCE & R.	2.950	2.276	2.811	3.005	2.395	1.893	2.337	3.272	2.255	2.023
45	SERVICES	3.026	3.457	2.711	3.648	3.123	2.836	2.672	3.555	3.011	2.790
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	64.524	62.765	54.226	74.472	63.194	54.782	68.329	67.187	66.641	85.401
50	LABOR OUTPUT RATIO	30.429	25.599	15.303	30.820	27.402	18.747	36.088	24.580	33.938	47.685
51	EMPLOYMENT MULTIPLIER	2.120	2.452	3.544	2.416	2.306	2.922	1.893	2.733	1.964	1.791
	WATER TRANSPORTATION	.204	.243	.061	.090	.086	.059	.053	.043	.041	.052
	TOTAL EMPLOYMENT	454.	916.	370.	486.	878.	105.	1520.	394.	1833.	138.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY, TOTAL LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	.134	.176	.198	.154	.065	.049	.060	.046	.082	.113
2	OTHER FARM PRODUCTS	.132	.201	.265	.147	.062	.047	.057	.045	.078	.095
3	FOREST & FISH PRODUCTS	.099	.054	.134	.052	.022	.017	.021	.025	.025	.028
4	IRON ORES MINING	.291	.110	.115	.126	.052	.039	.047	.037	.067	.027
5	NONFERROUS ORES MINING	.139	.169	.136	.096	.039	.030	.035	.030	.051	.010
6	CRUDE OIL & NATURAL GAS	.142	.139	.139	.519	.217	.171	.200	.150	.277	.340
7	OTHER MINING	.297	.198	.199	.199	.082	.063	.075	.070	.104	.065
8	CONSTRUCTION	.315	.310	.250	.741	.322	.231	.337	1.168	.118	.138
9	ORDNANCE & ACCESSORIES	.045	.003	.002	.005	.003	.002	.003	.002	.003	.002
10	FOOD PRODUCTS & TOBACCO	.118	.168	.171	.148	.063	.047	.058	.043	.079	.124
11	TEXTILES & APPAREL	1.613	1.611	2.424	1.430	.602	.472	.551	.429	.783	.217
12	LUMBER & WOOD PRODUCTS	1.096	.299	1.346	.308	.134	.099	.127	.192	.139	.136
13	PAPER & PRODUCTS	.456	.929	1.908	.396	.167	.121	.156	.127	.208	.181
14	PRINTING & PUBLISHING	.392	.419	.339	.447	.186	.139	.170	.130	.235	.259
15	CHEMICALS & PRODUCTS	.419	1.005	.659	.263	.112	.086	.102	.084	.140	.125
16	OTHER CHEMICAL PRODUCTS	.132	.063	.131	.219	.091	.071	.083	.065	.118	.044
17	PETROLEUM REFINING	.077	.077	.078	.352	.148	.116	.136	.101	.188	.231
18	RUBBER & PLASTICS	1.226	1.256	2.383	.469	.207	.160	.188	.157	.253	.251
19	LEATHER & PRODUCTS	.037	.034	.461	.029	.012	.010	.011	.009	.016	.011
20	GLASS & PRODUCTS	.381	.326	.186	.245	.105	.077	.092	.074	.136	.036
21	STONE & CLAY PRODUCTS	.269	.167	.185	.197	.080	.062	.078	.137	.080	.053
22	PRIMARY IRON & STEEL	4.275	1.540	1.643	1.839	.753	.563	.682	.545	.982	.389
23	PRIM. NONFERROUS METALS	1.101	1.329	1.098	.770	.314	.239	.285	.239	.410	.077
24	HTNG, PLMNG & STR. META	.242	.061	.045	.231	.071	.042	.060	.120	.081	.041
25	OTHER FABRICATED METALS	3.370	1.628	1.101	1.880	.797	.607	.734	.565	1.037	.256
26	ENGINES & TURBINES	.249	.022	.015	.203	.066	.046	.055	.042	.096	.049
27	MACHINERY & EQUIPMENTS	2.331	1.005	.444	1.418	.549	.415	.493	.378	.743	.241
28	OFFICE MACHINES	.370	.022	.023	.052	.025	.020	.024	.027	.028	.019
29	OTHER ELECTRICAL EQUIP.	1.857	2.276	.705	.556	.247	.200	.225	.227	.294	.302
30	SHIPBUILDING & REPAIR	.001	.001	.001	2.390	.410	.086	.186	.060	.877	.001
31	OTHER TRANSPORTATION EQ.	23.954	.092	.059	1.961	1.103	.869	1.080	.809	1.307	.355
32	INSTRUMENTS	.408	38.630	.078	.367	.151	.112	.139	.108	.196	.059
33	MISC. MANUFACTURING	.138	.139	37.961	.157	.067	.050	.063	.048	.083	.044
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	16.878	.010	.000	.000	.000	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.018	.014	.026	.036	17.350	.012	.014	.011	.019	.022
36	GREAT LAKES TRANS.	.012	.005	.006	.006	.002	14.716	.002	.002	.003	.002
37	RIVER & CANAL TRANS.	.019	.015	.023	.018	.008	.006	28.707	.006	.010	.009
38	LOCAL WATER TRANS.	.006	.004	.007	1.981	2.576	.003	2.669	40.256	.004	.005
39	SERVICE TO WATER TRANS.	.015	.011	.020	11.244	11.593	1.685	1.873	.269	73.023	.016
40	OTHER TRANS. & STORAGE	2.572	1.608	2.125	4.104	2.153	2.032	2.052	1.021	1.474	37.958
41	COMMUNICATIONS	.474	.648	.465	.816	.343	.270	.311	.237	.435	.510
42	UTILITIES	.407	.355	.344	.355	.146	.115	.137	.108	.167	.187
43	WHOLESALE & RETAIL TRAD	6.023	5.535	6.112	2.816	1.205	.936	1.114	1.051	1.383	3.755
44	FINANCE, INSURANCE & R.	2.213	2.615	2.497	5.229	2.160	1.724	2.009	1.515	2.804	2.626
45	SERVICES	3.803	4.024	3.464	4.559	1.919	1.488	1.760	1.401	2.434	2.359
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	61.670	69.312	69.972	66.407	46.806	28.341	47.259	52.166	91.090	51.768
50	LABOR OUTPUT RATIO	17.035	35.456	35.165	16.878	17.061	14.706	24.911	40.253	72.015	34.222
51	EMPLOYMENT MULTIPLIER	3.620	1.955	1.990	3.935	2.743	1.927	1.897	1.296	1.265	1.513
	WATER TRANSPORTATION	.057	.039	.081	20.891	22.756	14.745	36.995	40.274	.036	.037
	TOTAL EMPLOYMENT	1603.	456.	425.	25.	27.	5.	21.	16.	114.	2645.

TABLE 8, MARAD I-O TABLE OF U. S. ECONOMY; TOTAL LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	41	42	43	44	45	46	47	48
1	LIVESTOCK & PRODUCTS	.089	.070	.109	.071	.253	.080	.000	3.714
2	OTHER FARM PRODUCTS	.084	.066	.102	.075	.293	.098	.000	3.039
3	FOREST & FISH PRODUCTS	.020	.032	.074	.068	.058	.028	.000	.516
4	IRON ORES MINING	.009	.025	.007	.009	.026	.016	.000	.039
5	NONFERROUS ORES MINING	.011	.014	.035	.007	.017	.010	.000	.025
6	CRUDE OIL & NATURAL GAS	.068	1.748	.129	.057	.124	.182	.000	.241
7	OTHER MINING	.038	1.504	.055	.039	.095	.131	.000	.158
8	CONSTRUCTION	.145	.314	.200	.308	.412	.644	.000	.287
9	ORDNANCE & ACCESSORIES	.002	.001	.002	.001	.003	.001	.000	.072
10	FOOD PRODUCTS & TOBACCO	.097	.075	.117	.074	.243	.082	.000	4.338
11	TEXTILES & APPAREL	.083	.141	.134	.060	.338	.246	.000	.587
12	LUMBER & WOOD PRODUCTS	.069	.101	.119	.123	.174	.140	.000	.423
13	PAPER & PRODUCTS	.167	.155	.442	.173	.635	.194	.000	1.930
14	PRINTING & PUBLISHING	.432	.225	.422	.389	2.851	.443	.000	4.324
15	CHEMICALS & PRODUCTS	.065	.185	.091	.086	.254	.434	.000	.503
16	OTHER CHEMICAL PRODUCTS	.045	.047	.045	.079	.251	.126	.000	.208
17	PETROLEUM REFINING	.037	.269	.072	.033	.066	.104	.000	.153
18	RUBBER & PLASTICS	.124	.140	.202	.103	.427	.186	.000	.580
19	LEATHER & PRODUCTS	.016	.011	.020	.011	.098	.026	.000	.327
20	GLASS & PRODUCTS	.025	.019	.045	.024	.081	.027	.000	.192
21	STONE & CLAY PRODUCTS	.057	.184	.054	.082	.141	.122	.000	.120
22	PRIMARY IRON & STEEL	.128	.351	.099	.122	.369	.196	.000	.513
23	PRIM. NONFERROUS METALS	.088	.105	.035	.056	.128	.074	.000	.192
24	MTNG, PLMNG & STR. META	.081	.142	.035	.152	.059	.108	.000	.054
25	OTHER FABRICATED METALS	.124	.268	.154	.123	.635	.201	.000	.696
26	ENGINES & TURBINES	.006	.032	.006	.004	.032	.014	.000	.033
27	MACHINERY & EQUIPMENTS	.104	.375	.104	.101	.512	.240	.000	.526
28	OFFICE MACHINES	.020	.014	.013	.012	.107	.033	.000	.059
29	OTHER ELECTRICAL EQUIP.	1.024	.346	.122	.190	.508	.230	.000	.850
30	SHIPBUILDING & REPAIR	.000	.002	.001	.000	.001	.023	.000	.002
31	OTHER TRANSPORTATION EQ	.044	.046	.049	.031	.331	.108	.000	.251
32	INSTRUMENTS	.062	.042	.055	.043	.401	.067	.000	.781
33	MISC. MANUFACTURING	.060	.039	.079	.059	.324	.059	.000	1.118
34	DEEPSEA FOREIGN TRANS.	.000	.000	.000	.000	.000	.035	.000	.000
35	DEEPSEA DOMESTIC TRANS.	.005	.056	.009	.005	.010	.013	.000	.084
36	GREAT LAKES TRANS.	.001	.012	.001	.001	.002	.002	.000	.006
37	RIVER & CANAL TRANS.	.003	.045	.004	.003	.007	.009	.000	.028
38	LOCAL WATER TRANS.	.001	.014	.002	.001	.003	.007	.000	.018
39	SERVICE TO WATER TRANS.	.004	.042	.007	.004	.008	.033	.000	.059
40	OTHER TRANS. & STORAGE	.523	1.632	.860	.479	1.073	4.935	.000	14.881
41	COMMUNICATIONS	32.768	.312	.630	.396	1.406	.319	.000	.641
42	UTILITIES	.203	16.006	.344	.132	.383	.424	.000	.312
43	WHOLESALE & RETAIL TRAD	1.733	2.154	73.804	1.609	4.395	1.976	.000	8.739
44	FINANCE, INSURANCE & R.	1.971	2.647	4.074	44.203	3.803	2.813	.000	3.137
45	SERVICES	4.176	1.982	4.026	2.766	43.383	3.339	.000	8.726
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000
49	SUM OF THE COLUMN	44.810	31.968	86.958	52.365	64.719	18.581	.000	63.480
50	LABOR OUTPUT RATIO	32.042	12.198	70.941	38.691	38.689	.000	.000	.000
51	EMPLOYMENT MULTIPLIER	1.398	2.622	1.226	1.353	1.673	.000	.000	.000
	WATER TRANSPORTATION	.010	.127	.017	.010	.022	.102	.000	.205
	TOTAL EMPLOYMENT	1146.	719.	17723.	9385.	9212.	0.	0.	0.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	1	2	3	4	5	6	7	8	9	10
1	LIVESTOCK & PRODUCTS	59.078	7.579	5.643	4.139	3.837	3.297	5.355	3.979	3.905	18.626
2	OTHER FARM PRODUCTS	23.387	44.390	3.936	3.409	3.165	2.712	4.407	3.317	3.212	13.061
3	FOREST & FISH PRODUCTS	2.426	2.480	37.142	.584	.587	.475	.752	.820	.551	1.567
4	IRON ORES MINING	.088	.093	.074	41.252	.255	.118	.190	.186	.272	.099
5	NONFERROUS ORES MINING	.054	.057	.043	.234	21.146	.053	.101	.157	.168	.056
6	CRUDE OIL & NATURAL GAS	.884	1.007	.648	.892	.899	16.738	1.288	.834	.703	.765
7	OTHER MINING	.450	.551	.238	.603	.623	.360	31.293	.756	.481	.433
8	CONSTRUCTION	1.133	1.118	.548	1.467	1.312	.708	1.290	29.408	.730	.901
9	ORDNANCE & ACCESSORIES	.034	.034	.030	.039	.037	.031	.050	.038	48.041	.033
10	FOOD PRODUCTS & TOBACCO	6.600	4.242	3.978	4.588	4.256	3.658	5.934	4.386	4.332	22.500
11	TEXTILES & APPAREL	5.051	5.080	5.956	5.668	5.102	4.368	7.594	5.685	5.378	4.838
12	LUMBER & WOOD PRODUCTS	1.174	1.175	1.122	1.459	2.009	.969	1.883	4.189	1.480	1.253
13	PAPER & PRODUCTS	1.596	1.442	2.181	1.524	1.460	1.204	2.094	1.680	1.590	2.589
14	PRINTING & PUBLISHING	2.168	2.142	1.736	2.406	2.232	1.892	3.057	2.317	2.215	2.400
15	CHEMICALS & PRODUCTS	1.632	2.360	.847	1.465	2.360	.906	1.707	.994	1.182	1.349
16	OTHER CHEMICAL PRODUCTS	.601	.576	.489	.652	.600	.527	.833	.743	.596	.603
17	PETROLEUM REFINING	.542	.629	.394	.501	.494	.364	.761	.501	.408	.455
18	RUBBER & PLASTICS	1.430	1.432	1.203	1.776	1.671	1.194	2.238	1.742	1.713	1.709
19	LEATHER & PRODUCTS	.972	.942	.839	1.065	.979	.845	1.373	1.022	1.000	.900
20	GLASS & PRODUCTS	.378	.304	.267	.345	.315	.272	.441	.434	.351	.831
21	STONE & CLAY PRODUCTS	.330	.348	.225	.416	.581	.604	.572	2.723	.355	.304
22	PRIMARY IRON & STEEL	1.171	1.187	1.025	2.567	3.590	1.664	2.676	2.638	3.932	1.358
23	PRIM. NONFERROUS METALS	.394	.408	.327	.587	.610	.401	.723	1.240	1.328	.423
24	HTNG, PLMNG & STR. META	.219	.223	.143	.277	.266	.354	.335	2.688	.189	.189
25	OTHER FABRICATED METALS	1.566	1.427	1.610	1.685	1.746	1.378	2.430	2.213	2.143	2.402
26	ENGINES & TURBINES	.077	.083	.069	.200	.371	.190	.355	.109	.104	.071
27	MACHINERY & EQUIPMENTS	1.387	1.755	.869	2.490	5.524	1.829	3.532	1.763	1.932	1.318
28	OFFICE MACHINES	.147	.147	.119	.172	.155	.130	.213	.424	.170	.139
29	OTHER ELECTRICAL EQUIP.	1.925	1.953	1.584	2.296	2.161	2.332	3.001	3.088	3.345	1.794
30	SHIPBUILDING & REPAIR	.006	.006	.005	.015	.006	.012	.016	.006	.005	.006
31	OTHER TRANSPORTATION EQ	2.043	2.042	1.841	2.502	2.187	1.811	3.078	2.616	3.317	1.913
32	INSTRUMENTS	.435	.438	.361	.509	.479	.425	.646	.614	.703	.431
33	MISC. MANUFACTURING	.630	.827	.757	.936	.869	.743	1.203	.962	.881	.798
34	DEEPSEA FOREIGN TRANS.	.017	.017	.014	.019	.017	.015	.025	.018	.018	.016
35	DEEPSEA DOMESTIC TRANS.	.070	.079	.061	.065	.074	.340	.224	.068	.057	.073
36	GREAT LAKES TRANS.	.012	.015	.007	1.026	.015	.009	.232	.015	.014	.013
37	RIVER & CANAL TRANS.	.100	.160	.122	.541	.149	.113	.664	.055	.045	.074
38	LOCAL WATER TRANS.	.036	.044	.178	.089	.034	.070	.112	.027	.022	.031
39	SERVICE TO WATER TRANS.	.115	.125	.103	.264	.123	.290	.308	.115	.107	.112
40	OTHER TRANS. & STORAGE	8.548	8.781	5.531	11.432	7.050	5.995	24.223	5.836	5.549	7.091
41	COMMUNICATIONS	2.317	2.263	1.775	2.535	2.421	1.959	3.287	2.462	2.555	2.263
42	UTILITIES	1.524	1.531	1.184	2.268	2.451	1.439	2.636	1.617	1.581	1.531
43	WHOLESALE & RETAIL TRAD	39.569	37.954	30.302	39.071	37.237	30.673	51.459	42.756	37.001	37.210
44	FINANCE, INSURANCE & R.	22.945	23.753	18.260	27.465	24.506	26.715	32.448	22.052	20.731	20.693
45	SERVICES	19.409	19.743	14.903	22.127	19.901	16.762	27.603	21.167	19.520	19.313
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	214.890	182.944	148.764	195.623	165.864	136.949	234.640	180.457	183.915	174.532
51	LABOR OUTPUT RATIO	40.236	38.389	35.729	38.529	16.815	15.705	27.276	20.484	44.476	14.843
52	EMPLOYMENT MULTIPLIER	5.341	4.766	4.164	5.077	9.864	8.720	8.603	8.810	4.135	11.759
	WATER TRANSPORTATION	.359	.610	.901	4.720	.533	1.345	3.130	.244	.194	.327
	TOTAL EMPLOYMENT	1744.	1566.	252.	44.	49.	276.	246.	4080.	316.	1897.

TABLE V, MARAD I-O TABLE OF U. S. ECONOMY: INDUCED LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	11	12	13	14	15	16	17	18	19	20
1	LIVESTOCK & PRODUCTS	4.995	4.198	3.956	4.006	3.811	4.086	3.342	4.005	3.833	3.988
2	OTHER FARM PRODUCTS	4.630	3.421	3.248	3.300	3.275	3.565	2.754	3.329	3.204	3.282
3	FOREST & FISH PRODUCTS	.793	3.349	.756	.582	.564	.573	.478	.567	.583	.589
4	IRON ORES MINING	.087	.162	.106	.087	.229	.122	.108	.120	.095	.089
5	NONFERROUS ORES MINING	.055	.076	.061	.058	.162	.077	.059	.075	.057	.070
6	CRUDE OIL & NATURAL GAS	.762	.815	.890	.750	1.770	.831	9.449	.904	.710	.827
7	OTHER MINING	.447	.473	.729	.425	1.618	.590	.522	.691	.421	1.040
8	CONSTRUCTION	.785	.904	.929	.823	.986	.847	1.144	.869	.719	.954
9	ORDNANCE & ACCESSORIES	.037	.038	.036	.038	.035	.036	.031	.037	.035	.037
10	FOOD PRODUCTS & TOBACCO	4.418	4.444	4.370	4.439	4.219	4.469	3.708	4.407	4.152	4.421
11	TEXTILES & APPAREL	72.983	7.920	6.177	5.770	5.036	5.156	4.443	7.783	10.954	5.489
12	LUMBER & WOOD PRODUCTS	1.252	43.877	4.676	1.709	1.370	1.295	1.060	1.407	1.860	1.878
13	PAPER & PRODUCTS	2.091	1.970	35.072	6.933	1.903	2.746	1.497	2.561	2.364	3.434
14	PRINTING & PUBLISHING	2.224	2.265	2.187	42.993	2.175	2.624	1.985	2.250	2.150	2.228
15	CHEMICALS & PRODUCTS	1.796	1.304	1.981	1.500	23.028	3.464	1.369	4.747	1.676	1.588
16	OTHER CHEMICAL PRODUCTS	.656	.773	.627	.626	.633	16.555	.599	.677	.818	.686
17	PETROLEUM REFINING	.441	.479	.518	.437	1.112	.494	6.718	.530	.412	.457
18	RUBBER & PLASTICS	4.588	2.313	2.392	1.724	1.661	3.149	1.280	29.248	4.515	2.320
19	LEATHER & PRODUCTS	1.400	1.060	.992	1.023	.953	.964	.856	1.038	77.508	1.022
20	GLASS & PRODUCTS	.396	.506	.329	.322	.322	.793	.280	.414	.325	33.510
21	STONE & CLAY PRODUCTS	.301	.613	.381	.304	.458	.389	.575	.356	.303	.806
22	PRIMARY IRON & STEEL	1.147	2.295	1.404	1.163	1.639	1.535	1.479	1.410	1.280	1.178
23	PRIM. NONFERROUS METALS	.400	.577	.447	.430	.834	.543	.443	.506	.419	.533
24	HTNG, PLMNG & STR. META	.187	.221	.204	.194	.224	.192	.314	.199	.176	.214
25	OTHER FABRICATED METALS	1.442	2.827	1.888	1.495	2.026	2.777	1.512	1.872	2.018	1.449
26	ENGINES & TURBINES	.073	.081	.079	.071	.101	.076	.139	.080	.069	.079
27	MACHINERY & EQUIPMENTS	1.425	1.430	1.538	1.164	2.229	1.301	1.656	1.664	1.335	1.244
28	OFFICE MACHINES	.149	.161	.149	.154	.147	.157	.137	.151	.143	.154
29	OTHER ELECTRICAL EQUIP.	1.959	2.059	1.953	2.006	2.032	1.936	2.114	1.980	1.904	2.006
30	SHIPBUILDING & REPAIR	.006	.007	.006	.006	.008	.006	.018	.006	.006	.006
31	OTHER TRANSPORTATION EQ	2.110	2.190	2.094	2.140	2.041	2.049	1.869	2.121	2.007	2.170
32	INSTRUMENTS	.487	.493	.463	.927	.468	.508	.460	.475	.472	.480
33	MISC. MANUFACTURING	1.359	.949	.877	.969	.837	.891	.757	1.033	1.202	.951
34	DEEPSEA FOREIGN TRANS.	.018	.018	.018	.019	.017	.017	.016	.018	.017	.018
35	DEEPSEA DOMESTIC TRANS.	.062	.093	.071	.059	.151	.076	.586	.084	.070	.070
36	GREAT LAKES TRANS.	.009	.016	.021	.010	.022	.012	.015	.012	.009	.030
37	RIVER & CANAL TRANS.	.047	.091	.059	.043	.170	.056	.198	.064	.042	.056
38	LOCAL WATER TRANS.	.024	.060	.028	.022	.049	.025	.130	.028	.023	.025
39	SERVICE TO WATER TRANS.	.110	.136	.117	.109	.175	.116	.461	.126	.112	.120
40	OTHER TRANS. & STORAGE	5.837	8.133	7.859	5.875	8.277	6.370	7.160	6.994	5.282	7.837
41	COMMUNICATIONS	2.456	2.477	2.397	2.762	2.359	2.516	2.050	2.474	2.371	2.400
42	UTILITIES	1.729	1.729	1.956	1.651	2.245	1.637	1.740	1.886	1.593	2.229
43	WHOLESALE & RETAIL TRAD	40.103	40.540	38.737	38.399	36.432	37.178	31.925	38.895	39.441	38.291
44	FINANCE, INSURANCE & R.	22.232	22.468	21.788	23.473	22.556	22.163	24.832	22.205	21.325	22.310
45	SERVICES	19.807	20.255	19.669	21.052	19.825	24.881	18.187	20.363	19.420	20.061
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	208.294	190.269	174.246	182.039	160.184	159.839	140.455	170.660	217.430	172.624
51	LABOR OUTPUT RATIO	38.472	31.064	24.788	35.971	17.619	15.113	4.905	23.231	61.493	31.033
52	EMPLOYMENT MULTIPLIER	5.414	6.125	7.029	5.061	9.092	10.576	28.637	7.346	3.536	5.563
	WATER TRANSPORTATION	.202	.499	.287	.185	.789	.266	2.168	.307	.221	.300
	TOTAL EMPLOYMENT	2342.	1039.	684.	1071.	469.	316.	191.	718.	351.	174.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	21	22	23	24	25	26	27	28	29	30
1	LIVESTOCK & PRODUCTS	4.025	3.874	3.419	4.227	3.902	3.777	3.898	4.211	3.987	4.421
2	OTHER FARM PRODUCTS	3.314	3.189	2.814	3.479	3.212	3.105	3.205	3.465	3.280	3.634
3	FOREST & FISH PRODUCTS	.565	.545	.501	.594	.555	.521	.541	.590	.578	.644
4	IRON ORES MINING	.164	2.306	.143	.730	.648	.442	.403	.262	.207	.422
5	NONFERROUS ORES MINING	.083	.160	3.052	.368	.276	.295	.165	.238	.234	.225
6	CRUDE OIL & NATURAL GAS	.886	.830	.750	.829	.761	.729	.737	.765	.731	.820
7	OTHER MINING	3.177	1.794	.488	.824	.766	.636	.580	.522	.485	.639
8	CONSTRUCTION	1.027	1.157	.855	.997	.904	.851	.816	.836	.785	.963
9	ORDNANCE & ACCESSORIES	.038	.037	.032	.040	.037	.036	.037	.040	.038	.042
10	FOOD PRODUCTS & TOBACCO	4.458	4.297	3.792	4.690	4.327	4.193	4.326	4.675	4.422	4.903
11	TEXTILES & APPAREL	5.876	5.240	4.702	5.671	5.330	5.036	5.250	5.666	5.469	5.986
12	LUMBER & WOOD PRODUCTS	1.428	1.388	1.500	1.492	1.512	1.208	1.315	1.453	1.727	1.968
13	PAPER & PRODUCTS	2.166	1.473	1.370	1.891	1.957	1.582	1.497	1.925	1.906	1.693
14	PRINTING & PUBLISHING	2.260	2.234	1.979	2.471	2.599	2.170	2.209	2.805	2.342	2.490
15	CHEMICALS & PRODUCTS	1.311	1.250	1.350	1.126	1.216	.913	.921	1.088	1.164	1.011
16	OTHER CHEMICAL PRODUCTS	.637	.609	.536	.837	.754	.604	.618	.705	.653	.724
17	PETROLEUM REFINING	.501	.460	.412	.472	.432	.419	.426	.441	.421	.471
18	RUBBER & PLASTICS	1.756	1.433	1.825	1.654	1.877	1.448	1.680	2.040	2.277	1.650
19	LEATHER & PRODUCTS	1.051	1.005	.910	1.084	1.007	.991	1.013	1.086	1.042	1.138
20	GLASS & PRODUCTS	.325	.319	.280	.645	.346	.318	.325	.406	.734	.537
21	STONE & CLAY PRODUCTS	35.210	.541	.427	.509	.492	.802	.617	.658	.601	.694
22	PRIMARY IRON & STEEL	1.839	34.056	1.921	10.707	9.496	6.451	5.880	3.780	2.947	6.164
23	PRIM. NONFERROUS METALS	.506	1.118	25.271	2.919	2.168	2.356	1.282	1.905	1.863	1.779
24	HTNG, PLMNG & STR. META	.223	.231	.191	32.143	.204	.288	.381	.300	.199	2.604
25	OTHER FABRICATED METALS	1.812	2.252	1.693	3.448	30.607	2.689	2.255	3.228	2.578	2.953
26	ENGINES & TURBINES	.130	.109	.118	.104	.101	21.406	.538	.111	.100	1.794
27	MACHINERY & EQUIPMENTS	1.951	2.874	2.700	2.903	2.561	4.180	42.725	2.707	1.868	5.987
28	OFFICE MACHINES	.157	.156	.134	.278	.152	.150	.153	28.567	.284	.218
29	OTHER ELECTRICAL EQUIP.	2.232	2.637	2.025	2.869	2.219	3.488	3.210	8.642	43.181	3.118
30	SHIPBUILDING & REPAIR	.007	.007	.005	.006	.006	.005	.005	.006	.005	47.691
31	OTHER TRANSPORTATION EQ	2.214	2.144	1.863	2.289	2.191	2.039	2.107	2.267	2.179	2.383
32	INSTRUMENTS	.484	.560	.424	.797	.504	.548	.582	.832	.590	.779
33	MISC. MANUFACTURING	1.000	.888	.815	.966	.887	.856	.886	1.075	.939	.998
34	DEEPSEA FOREIGN TRANS.	.018	.018	.016	.019	.018	.017	.018	.019	.018	.020
35	DEEPSEA DOMESTIC TRANS.	.089	.085	.056	.073	.069	.061	.061	.063	.060	.066
36	GREAT LAKES TRANS.	.044	.077	.010	.030	.027	.020	.019	.015	.014	.020
37	RIVER & CANAL TRANS.	.110	.115	.059	.065	.060	.051	.049	.048	.045	.055
38	LOCAL WATER TRANS.	.033	.034	.022	.027	.025	.023	.023	.023	.022	.026
39	SERVICE TO WATER TRANS.	.138	.137	.099	.126	.117	.108	.110	.115	.110	.123
40	OTHER TRANS. & STORAGE	10.083	7.833	5.899	7.402	6.567	5.745	5.794	6.234	5.689	6.138
41	COMMUNICATIONS	2.533	2.421	2.131	2.775	2.450	2.400	2.464	2.728	2.548	2.806
42	UTILITIES	2.205	2.207	2.069	2.005	1.868	1.715	1.691	1.765	1.702	1.941
43	WHOLESALE & RETAIL TRAD	38.803	38.801	36.334	42.977	38.114	38.700	38.457	42.904	38.885	43.994
44	FINANCE, INSURANCE & R.	23.069	21.760	19.828	23.990	21.816	20.716	21.835	24.029	22.122	24.139
45	SERVICES	20.472	20.353	17.468	21.845	19.965	19.159	19.560	21.555	20.266	21.968
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	180.452	175.036	152.285	195.394	175.106	163.246	180.682	186.796	181.300	212.841
51	LABOR OUTPUT RATIO	30.429	25.599	15.303	30.820	27.402	18.747	36.088	24.580	33.938	47.685
52	EMPLOYMENT MULTIPLIER	5.930	6.838	9.952	6.340	6.390	8.708	5.007	7.599	5.342	4.464
	WATER TRANSPORTATION	.498	.573	.224	.305	.286	.232	.223	.211	.201	.239
	TOTAL EMPLOYMENT	454.	916.	370.	486.	878.	105.	1520.	394.	1833.	138.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	31	32	33	34	35	36	37	38	39	40
1	LIVESTOCK & PRODUCTS	3.994	3.914	3.903	3.874	2.635	2.069	2.694	2.949	4.422	3.214
2	OTHER FARM PRODUCTS	3.297	3.265	3.302	3.197	2.169	1.704	2.217	2.426	3.636	2.637
3	FOREST & FISH PRODUCTS	.609	.548	.624	.543	.362	.264	.369	.408	.598	.438
4	IRON ORES MINING	.358	.174	.179	.190	.096	.073	.092	.088	.142	.080
5	NONFERROUS ORES MINING	.161	.209	.176	.136	.067	.051	.064	.061	.098	.043
6	CRUDE OIL & NATURAL GAS	.755	.731	.727	1.109	.625	.492	.618	.610	.965	.832
7	OTHER MINING	.579	.472	.470	.470	.270	.210	.267	.282	.421	.292
8	CONSTRUCTION	.854	.831	.767	1.261	.680	.513	.705	1.573	.724	.571
9	ORDNANCE & ACCESSORIES	.081	.037	.036	.040	.027	.021	.027	.029	.044	.030
10	FOOD PRODUCTS & TOBACCO	4.406	4.319	4.285	4.280	2.917	2.290	2.983	3.268	4.898	3.568
11	TEXTILES & APPAREL	6.700	6.537	7.306	6.332	3.987	3.134	4.022	4.256	6.501	4.302
12	LUMBER & WOOD PRODUCTS	2.139	1.309	2.347	1.313	.828	.645	.839	.976	1.311	.973
13	PAPER & PRODUCTS	1.719	2.152	3.120	1.613	1.008	.782	1.018	1.077	1.628	1.196
14	PRINTING & PUBLISHING	2.346	2.311	2.215	2.331	1.486	1.162	1.503	1.600	2.432	1.828
15	CHEMICALS & PRODUCTS	1.109	1.673	1.321	.928	.571	.447	.573	.603	.916	.679
16	OTHER CHEMICAL PRODUCTS	.700	.613	.677	.766	.469	.368	.471	.492	.757	.500
17	PETROLEUM REFINING	.435	.424	.422	.698	.386	.304	.380	.371	.591	.519
18	RUBBER & PLASTICS	2.415	2.407	3.524	1.615	.998	.782	.999	1.051	1.589	1.205
19	LEATHER & PRODUCTS	1.037	1.001	1.420	.992	.677	.532	.693	.761	1.139	.814
20	GLASS & PRODUCTS	.675	.611	.468	.529	.301	.231	.293	.296	.467	.273
21	STONE & CLAY PRODUCTS	.504	.415	.411	.424	.236	.185	.238	.314	.344	.242
22	PRIMARY IRON & STEEL	5.204	2.439	2.535	2.734	1.371	1.049	1.316	1.244	2.026	1.135
23	PRIM. NONFERROUS METALS	1.418	1.635	1.402	1.074	.524	.404	.500	.477	.765	.331
24	HTNG, PLMNG & STR. META	.392	.206	.190	.377	.171	.121	.162	.234	.251	.162
25	OTHER FABRICATED METALS	4.560	2.761	2.244	3.028	1.569	1.230	1.546	1.461	2.375	1.213
26	ENGINES & TURBINES	.310	.081	.073	.261	.106	.077	.096	.087	.164	.097
27	MACHINERY & EQUIPMENTS	3.174	1.822	1.253	2.230	1.110	.856	1.068	1.012	1.690	.918
28	OFFICE MACHINES	.510	.157	.157	.186	.118	.093	.120	.132	.186	.131
29	OTHER ELECTRICAL EQUIP.	3.699	4.060	2.474	2.332	1.474	1.164	1.482	1.613	2.366	1.783
30	SHIPBUILDING & REPAIR	.006	.005	.006	2.395	.413	.088	.189	.063	.883	.005
31	OTHER TRANSPORTATION EQ	26.043	2.115	2.063	3.974	2.493	1.962	2.505	2.380	3.655	2.033
32	INSTRUMENTS	.819	39.028	.473	.763	.425	.328	.419	.417	.658	.389
33	MISC. MANUFACTURING	.972	.948	38.762	.961	.622	.487	.632	.676	1.022	.715
34	DEEPSEA FOREIGN TRANS.	.018	.018	.017	16.896	.022	.010	.012	.014	.020	.015
35	DEEPSEA DOMESTIC TRANS.	.064	.059	.070	.080	17.361	.036	.045	.045	.070	.059
36	GREAT LAKES TRANS.	.019	.012	.013	.012	.007	14.720	.007	.007	.011	.007
37	RIVER & CANAL TRANS.	.051	.046	.054	.049	.029	.023	28.729	.030	.046	.035
38	LOCAL WATER TRANS.	.024	.022	.025	1.999	2.588	.012	2.681	40.269	.025	.020
39	SERVICE TO WATER TRANS.	.114	.107	.114	11.339	11.658	1.737	1.940	.343	73.133	.095
40	OTHER TRANS. & STORAGE	6.515	5.426	5.909	7.904	4.778	4.095	4.742	3.987	5.907	41.125
41	COMMUNICATIONS	2.507	2.616	2.415	2.775	1.696	1.333	1.698	1.766	2.720	2.142
42	UTILITIES	1.741	1.647	1.625	1.641	1.034	.813	1.047	1.112	1.687	1.259
43	WHOLESALE & RETAIL TRAD	39.847	38.285	38.573	35.410	23.719	18.637	24.193	26.492	39.408	30.922
44	FINANCE, INSURANCE & R.	22.044	21.817	21.529	24.339	15.380	12.102	15.541	16.431	25.099	18.553
45	SERVICES	21.000	20.674	19.968	21.131	13.366	10.487	13.494	14.336	21.767	16.171
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	175.944	179.957	179.641	176.529	122.869	88.144	125.232	138.118	219.559	143.550
51	LABOR OUTPUT RATIO	17.035	35.456	35.165	16.878	17.061	14.706	24.911	40.253	72.015	34.222
52	EMPLOYMENT MULTIPLIER	10.329	5.075	5.109	10.459	7.202	5.994	5.027	3.431	3.049	4.195
	WATER TRANSPORTATION	.233	.194	.260	39.927	42.782	29.545	68.470	80.639	.209	.172
	TOTAL EMPLOYMENT	1603.	456.	425.	25.	27.	5.	21.	16.	114.	2645.

TABLE 9, MARAD I-O TABLE OF U. S. ECONOMY; INDUCED LABOR REQUIREMENTS, 1972 (EMPLOYMENT PER $ MILLION OUTPUT)

	TITLE	41	42	43	44	45	46	47	48	49
1	LIVESTOCK & PRODUCTS	3.382	3.158	3.338	2.884	3.916	5.808	.000	7.061	4.375
2	OTHER FARM PRODUCTS	2.784	2.598	2.750	2.381	3.296	4.794	.000	5.784	3.587
3	FOREST & FISH PRODUCTS	.456	.440	.500	.439	.542	.784	.000	.958	.578
4	IRON ORES MINING	.066	.078	.063	.057	.090	.114	.000	.097	.075
5	NONFERROUS ORES MINING	.046	.047	.039	.037	.056	.072	.000	.061	.047
6	CRUDE OIL & NATURAL GAS	.591	2.238	.641	.503	.705	1.090	.000	.772	.694
7	OTHER MINING	.278	1.730	.291	.245	.363	.550	.000	.403	.320
8	CONSTRUCTION	.604	.745	.650	.700	.923	1.444	.000	.754	.611
9	ORDNANCE & ACCESSORIES	.032	.030	.032	.027	.037	.054	.000	.103	.041
10	FOOD PRODUCTS & TOBACCO	3.754	3.505	3.703	3.198	4.311	6.443	.000	8.056	4.859
11	TEXTILES & APPAREL	4.423	4.210	4.389	3.766	5.165	7.793	.000	4.997	5.765
12	LUMBER & WOOD PRODUCTS	.959	.936	.991	.883	1.164	1.687	.000	1.327	1.182
13	PAPER & PRODUCTS	1.244	1.165	1.498	1.093	1.833	2.069	.000	3.025	1.432
14	PRINTING & PUBLISHING	2.099	1.788	2.056	1.812	4.706	3.342	.000	6.018	2.215
15	CHEMICALS & PRODUCTS	.654	.737	.668	.589	.909	1.458	.000	1.101	.782
16	OTHER CHEMICAL PRODUCTS	.530	.502	.520	.493	.790	.969	.000	.701	.644
17	PETROLEUM REFINING	.342	.556	.372	.294	.406	.636	.000	.464	.406
18	RUBBER & PLASTICS	1.138	1.091	1.197	.970	1.555	1.950	.000	1.611	1.347
19	LEATHER & PRODUCTS	.868	.810	.856	.739	1.047	1.508	.000	1.193	1.133
20	GLASS & PRODUCTS	.276	.255	.291	.239	.360	.464	.000	.447	.334
21	STONE & CLAY PRODUCTS	.257	.372	.250	.253	.363	.471	.000	.324	.266
22	PRIMARY IRON & STEEL	.921	1.094	.876	.798	1.250	1.574	.000	1.318	1.053
23	PRIM. NONFERROUS METALS	.357	.358	.299	.286	.428	.543	.000	.466	.358
24	MTNG. PLMNG & STR. META	.209	.263	.161	.262	.202	.331	.000	.184	.171
25	OTHER FABRICATED METALS	1.140	1.220	1.150	.991	1.765	1.968	.000	1.728	1.349
26	ENGINES & TURBINES	.057	.080	.057	.048	.089	.104	.000	.085	.068
27	MACHINERY & EQUIPMENTS	.823	1.050	.809	.715	1.312	1.491	.000	1.257	.956
28	OFFICE MACHINES	.139	.126	.130	.114	.240	.240	.000	.180	.159
29	OTHER ELECTRICAL EQUIP.	2.596	1.820	1.663	1.533	2.257	2.964	.000	2.448	2.089
30	SHIPBUILDING & REPAIR	.005	.006	.005	.004	.005	.030	.000	.007	.006
31	OTHER TRANSPORTATION EQ	1.826	1.717	1.796	1.553	2.314	3.207	.000	2.062	2.367
32	INSTRUMENTS	.412	.371	.399	.342	.791	.677	.000	1.138	.466
33	MISC. MANUFACTURING	.772	.706	.777	.667	1.116	1.297	.000	1.842	.946
34	DEEPSEA FOREIGN TRANS.	.016	.015	.015	.013	.017	.061	.000	.016	.020
35	DEEPSEA DOMESTIC TRANS.	.044	.093	.047	.038	.054	.081	.000	.124	.052
36	GREAT LAKES TRANS.	.007	.017	.007	.006	.009	.012	.000	.012	.008
37	RIVER & CANAL TRANS.	.030	.071	.031	.026	.037	.057	.000	.056	.036
38	LOCAL WATER TRANS.	.017	.028	.018	.015	.020	.034	.000	.034	.021
39	SERVICE TO WATER TRANS.	.088	.121	.089	.075	.101	.179	.000	.144	.112
40	OTHER TRANS. & STORAGE	3.867	4.767	4.159	3.352	4.815	10.786	.000	18.300	4.469
41	COMMUNICATIONS	34.502	1.938	2.330	1.877	3.335	3.335	.000	2.404	2.304
42	UTILITIES	1.342	17.074	1.460	1.104	1.649	2.404	.000	1.469	1.513
43	WHOLESALE & RETAIL TRAD	30.567	29.212	102.095	26.253	36.492	52.162	.000	38.067	38.335
44	FINANCE, INSURANCE & R.	18.888	18.511	20.661	58.652	22.622	32.236	.000	20.333	22.476
45	SERVICES	18.846	15.739	18.410	15.295	59.701	28.853	.000	23.638	19.490
46	GOVERNMENT ENTERPRISES	.000	.000	.000	.000	.000	.000	.000	.000	.000
47	NONCOMPETITIVE IMPORTS	.000	.000	.000	.000	.000	.000	.000	.000	.000
48	DUMMY INDUSTRIES	.000	.000	.000	.000	.000	.000	.000	.000	.000
49	HOUSEHOLD SECTOR	.000	.000	.000	.000	.000	.000	.000	.000	.000
50	SUM OF THE COLUMN	142.295	123.403	182.539	135.624	173.158	188.128	.000	162.568	129.516
51	LABOR OUTPUT RATIO	32.042	12.198	70.941	38.691	38.689	.000	.000	.000	.000
52	EMPLOYMENT MULTIPLIER	4.441	10.116	2.573	3.505	4.476	.000	.000	.000	.000
	WATER TRANSPORTATION	.124	.350	.135	.108	.159	.347	.000	.446	.000
	TOTAL EMPLOYMENT	1146.	719.	17723.	9385.	9212.	0.	0.	0.	0.

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